

INNOVATIVE | EQUIP | EMPOWER

PRODUCT PORTFOLIO

Complete Solutions. Trusted By Dentists.
Designed For Future Dentistry.



TRUSTED
Since 1994



COMPREHENSIVE
Product Range



DENTIST-CENTRIC
Solutions



RELIABLE
After-Sales-Support

PAN INDIA PRESENCE

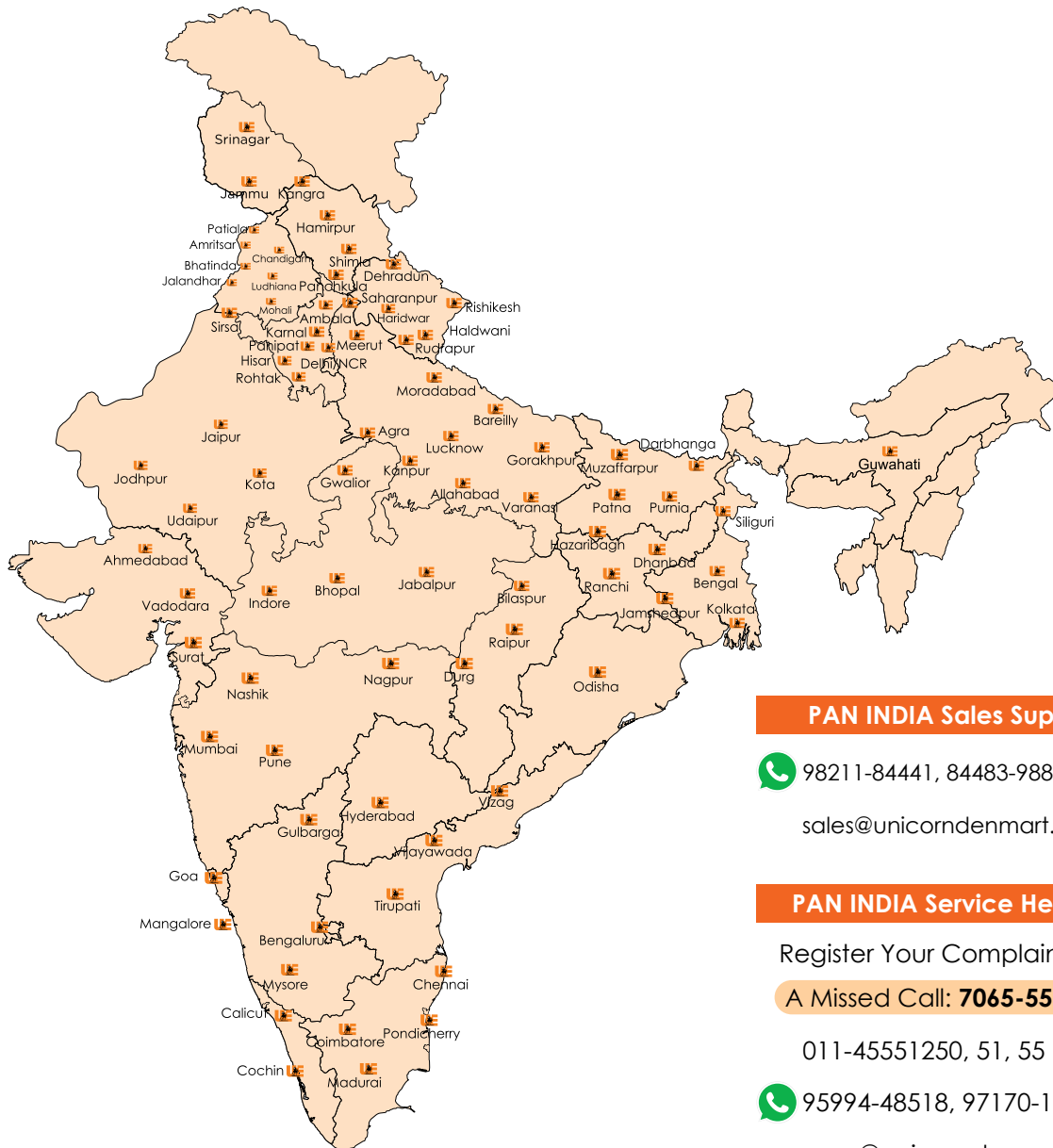
1.5 Lakh+
Satisfied
Customers

150+
Skilled Service
Engineers


100+
PAN India
Location

500+
Products Under
Service Care

32
Year
Legacy



PAN INDIA Sales Support


 98211-84441, 84483-98852
sales@unicorndenmart.com

PAN INDIA Service Helpline

Register Your Complaint with

A Missed Call: **7065-558-558**

011-45551250, 51, 55

 95994-48518, 97170-12081

care@unicorndenmart.com;
care1@unicorndenmart.com

FOR WESTERN REGION: (Maharashtra & Gujarat)

022-40108770, 71

*The locations shown above are a combination of the offices of Unicorn DenMart and its distributors.

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CLASSE A7 PLUS CONTINENTAL INTERNATIONAL

expand.

Comfort | Technology | Opportunity



The Right Rapport Instils Trust

Patients who feel reassured and at ease are more likely to be on board with the treatment plan. Classe A7 Plus has been designed for dentists who value effective communication and patients who need to feel they're in safe hands. An on-board multimedia system helps the dentist illustrate and contextualise the treatment plan and motivate the patient

- ✦ Aluminum alloy casted chair to prevent rusting
- ✦ Extra wide backrest and seat with seamless upholstery for total patient comfort with double articulated headrest
- ✦ Integrated Endodontic and implantology mode gives optimize treatment
- ✦ Synchronized movement of seat and backrest
- ✦ 4X3 Programmable working positions along with Zero, Spitting & last working position
- ✦ Full Touch Screen display gives easy & rapid access with multi-functional programming features
- ✦ Digital X-Ray images can be viewed through USB panel (Only with Full Touch Display)
- ✦ Auto Reverse, auto forward function & other parameters according to specific treatment
- ✦ Stop vacuum - ON/OFF of the suction system through foot control placed in the bottom of the chair
- ✦ Advanced Doctor Console with six instruments applications.
- ✦ Trendelenburg position for dental emergency
- ✦ Safety System on chair base and backrest and assistant side to prevent entrapment
- ✦ Chair base can also be used for operating the suction
- ✦ Advanced Bio-system provides extra safety to the clinical environment along with patients and dentists
- ✦ Advanced Anthos connect feature provides real time troubleshooting



CONTINENTAL DELIVERY UNIT

- ✦ It houses up to 6 instruments (6th instrument as option - for integrated camera or curing light)
 - Disinfectable and removable instruments house
- ✦ Module with induction MICROMOTOR i-MMs, with integrated spray, revolutions 100-40,000 rpm/torque 5.3 Ncm
- ✦ Anti-retraction system for the sprays of instruments (O.D.R. system) - Automatic Chip Air
- ✦ Independent spray regulation for each instrument
- ✦ 3 operating modes for i-MMs micromotor (Conservative/ Endodontics/Dental implant surgery) and 7 setting options for each working mode
- ✦ Timer activation and management setting of personalized programs for chair and instruments for 4 different operators
- ✦ Peristaltic pump (Optional) allows sterile irrigation liquid to be used during oral surgery or implant operation, accurate flow rate(35-100 ml/min) can be controlled through touch screen display.
- ✦ FOU light in Micromotor (Optional)



VENUS LED MCT

- ✦ Venus LED MCT is a cutting-edge operating light with multiple adjustments. Equipped with a 3-axis joint,
- ✦ Working life of over 50,000 hours
 - ✦ The LED light source emits 3 different colour temperatures (Multi Colour Temperature, MCT)
 - ✦ Light intensity is adjustable up to 50,000 Lux and can be modulated via the "no touch" sensor
 - ✦ Curing Mode modifies light wavelength to prevent pre-polymerisation of the compounds, simultaneously ensuring optimal lighting.
 - ✦ Light Colour: All temperature variations - from warm to neutral or cool or vice versa - can be activated with ease so the operating area is always lit correctly in keeping with the specific treatment.
 - ✦ Optimal light beam efficiency minimises shadows in the oral cavity.



FOOT CONTROL

- ✦ Easy control of air and water for running instruments and Activation of rinse (and automatic return) and return-to-zero position programs.
- ✦ Activation and progressive adjustment of instruments speed and sprays by lever control with lateral excursion
- ✦ Joystick to control the main functions (activation of chair movements, switching on of surgical light, micromotor rotation inversion, micromotor memory changeover, optional peristaltic pump activation)



WATER UNIT AND ASSISTANT ARM

- ✦ High quality ceramic spittoon with programmable water input for spittoon and cup
- ✦ Spittoon bowl can be dismantled completely with removable cup & bowl fill unit
- ✦ Assistant instrument table, fitted on articulated arm for 2 suction (Low & High supplied with suction system) and optional instruments.



CLASSE A3 PLUS CONTINENTAL INTERNATIONAL

improve.

Potential | Quality | Performance



The Digit control panel layout, complete with X-ray viewer, is easy to read and includes effective features. Access to the settings of each individual instrument, patient chair and integrated devices is fast, user-friendly and can be viewed on the alphanumeric display unit. Its design maximises operational ergonomics, making the operator's work easier.

- ✦ Double Articulated headrest
- ✦ Moveable right arm rest
- ✦ Aluminum alloy chair to prevent rusting
- ✦ Synchronized movement of seat and backrest
- ✦ 7 Programs in the chair which includes - 4 Programmable positions, preset auto return to Zero, spitting position and last working position
- ✦ User Friendly Alphanumeric Digit Display unit for easy operations
- ✦ Highly ergonomic Re-designed dentist modules and arm system for all operating positions
- ✦ Advanced Doctor Console with six instruments applications
- ✦ Trendelenburg position for dental emergencies + Independent Up/down chair movements along with back / forth backrest entrapment
- ✦ Anatomical padding for seamless upholstery offers exclusive wellness experience
- ✦ Safety System on chair base and backrest and assistant side to prevent entrapment
- ✦ Chair base can also be used for operating the suctions
- ✦ Advanced Biosystem provides extra safety to the clinical environment along with patients and dentists
- ✦ Advanced Anthos connect feature provides real time troubleshooting



CE
ISO 9001:2008 EN ISO 13485:2012

CE
ISO 9001:2008 EN ISO 13485:2012



SIMPLE, INTUITIVE OPERATION

Touch screen display

- ✦ The control panel surface, protected by capacitive glass, can be easily disinfected. Quick adjustment of Speed/Power with numerical indication & other signals (bottle, light etc.) Clean button is also available

CONTINENTAL DELIVERY UNIT

- ✦ 6 Modules with new instruments lockable lever design
- ✦ Each instruments has a retraction system
- ✦ DIGIT TOUCH display to visualize and control the instruments parameters and hygiene devices
- ✦ The lightweight, compact i-MMr Micromotor can be set to reach speeds between 100 and 40,000 rpm
- ✦ X-Ray viewer with automatic turn-off
- ✦ Removable and autoclavable resting silicon pads*
- ✦ Moveable instrument tray below the delivery unit



VENUS PLUS L LED

- ✦ Sensor operated dental light
- ✦ Hermetically sealed front screen
- ✦ 3 axis rotation
- ✦ Light Intensity: 3000- 50,000 Lux
- ✦ In-house temp-5000 K
- ✦ Power absorption-10 W

WATER UNIT AND ASSISTANT ARM

- ✦ High quality ceramic spittoon with programmable water input for spittoon and cup spittoon bowl can be dismantled completely with removable cup & bowl fill unit
- ✦ Assistant instrument table, fitted on articulated arm for 2 suctions and optional instruments
- ✦ Assistant board console integrated with Chair control for easy operations with operating light On/Off button
- ✦ Anthos dental stool provided with chair



FOOT CONTROL

- ✦ Easy control of air and water for running instruments and Activation of rinse (and automatic return) and return-to-zero position programs.
- ✦ Activation and progressive adjustment of instruments speed and sprays by lever control with lateral excursion
- ✦ Joystick to control the main functions (activation of chair movements, switching on of surgical light, micromotor rotation inversion, micromotor memory changeover, optional peristaltic pump activation)

SAEVO 
by **GNATUS** 

\$500

UNICORN DenMart 
Behind The Best Indian Dentists

The most advanced dental chair with user-friendly design, flexibility and robust performance. It provides a reliable & secure treatment offering Dental Professional & Patients an amazing experience.



Zero Backache Stool
for Doctor Comfort



Also available with Under hanging delivery unit

 **BOSCH**

Dual Bosch motors, from Germany for the smoothest and jerk – free movements, levelling up your treating experience. Also its FACE-LIFT feature i.e. anti-skid rubberized base covered by ABS engineering plastic provides stability and firmness to the dental chair.

CE / EC ISO 13485:2016 / EN ISO 13485:2016
7

\$500



OVERHEAD DELIVERY UNIT

- ✦ 3 Air Rotor Points
- ✦ One 3 way syringe
- ✦ Removable & Autoclavable silicon pads
- ✦ Option for inbuilt scaler & micromotor
- ✦ Water regulating valve on the coupling
- ✦ USA made high quality tubings
- ✦ Rotatable wide instrument tray

CONTROL PANEL

- ✦ Feather touch control panel with LED X-Ray viewer
- ✦ 4 customizable programs
- ✦ 3 Prefixed programs - Spitting, Last working & Zero position
- ✦ Dedicated switches for bowl rinsing & cup filling
- ✦ Chair up & down, backrest toe-and fro movement control switches



MOVABLE SPITTOON & WATER UNIT

- ✦ 60° rotatable water unit,
- ✦ 180° rotatable cup holder & proximity sensor



3X2 LED DENTAL LIGHT WITH PROXIMITY SENSOR

- ✦ Equipped with 5 LEDs: 3 white LEDs + 2 amber LEDs
- ✦ Four intensity levels:
White light: 15,000, 25,000 and 35,000 LUX
Amber light: 6,500 LUX



BIO SYSTEM

- ✦ Disinfection system for tubings
- ✦ Cleaning of tubings through liquid bactericide
- ✦ Prevents cross contamination

S500

MULTI FUNCTIONAL FOOT CONTROL

An Integrated foot control on the base for aseptic hands-free operation, chair operations i.e. programs, light control, emergency switch, Chair movements etc are available on the foot control itself. Integrated Joystick foot control for easy operation in any working position. A Traditional pressing type of foot control with Chip Air & Chip Water functions also available.



ANTI CRUSHING SYSTEM

Anti-Crushing System provides the assurance of safety of the objects placed on the base by preventing damage or breakage during downward movement of the chair.

TRENDELENBURG POSITION

It is useful for emergency management of the patient during critical situations like syncope. It can be possible due to synchronized movement of the dental chair.



EASY FIX SYSTEM

It has Easy Fix System for effortless cleaning of the dental chair.

DOUBLE ARTICULATED HEADREST

Double Articulated Headrest that can be adjustable easily for Handicapped and pediatric patients.



\$500

SOFT SOFA UPHOLSTERY

It comes with a stitched Soft Sofa type leather upholstery with memory foam that provides optimum comfort to the patient for long dental procedures and support to the patient's spinal curvature.



MOVABLE ARMREST

It has an excellent feature of movable right arm to save time for the dentist and increased patient comfort

ASSISTANT ARM

It has easily accessible and movable assistant arm that is equipped with low vac suction, high vac suction and 3-way syringe, also dedicated switches for Chair up & down movement and backrest to-and-fro movement.



DEBRIS FILTER

It is located in the body of the water unit connected with suction canulas, easy to clean and access solid debris.

SENSOR BASED BOWL RINSING

It has advanced proximity sensor that automatically control the spittoon water when patient moves forward to spit. Electrical activation for tumbler filling allows for easy control of water flow.



S300

- ✦ Double articulated headrest, headlock system with lever
- ✦ Microprocessor controlled single high reliable PCB which controls all chair operations



3 LED DENTAL LIGHT WITH PROXIMITY SENSOR

- ✦ Convenient proximity sensor enables activation and control of light intensity
- ✦ 3 intensity levels: 10,000, 20,000 and 30,000 LUX

Overhead delivery unit



FOOT CONTROL

- ✦ Integrated Joystick foot control for easy operation in any working position
- ✦ Activation (on/off) of the dental light

OVERHEAD DELIVERY UNIT

- ✦ 3 Air Rotor Point and 3 way syringe on delivery unit
- ✦ 4 customized programs & 3 prefixed programs- spitting, last working & auto return to zero position
- ✦ Option for inbuilt scaler
- ✦ Option for traditional delivery unit

WATER UNIT

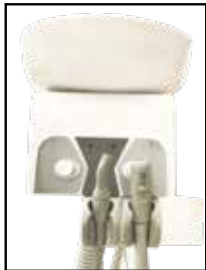
- ✦ 90-Degree rotatable water unit with cup holder and proximity sensor



S200

- ✦ Double articulated headrest, headlock system with lever
- ✦ New designed motors for smooth and jerk free movement
- ✦ Handpiece tubings with superior quality made in USA

Assistant Arm



3 LED DENTAL LIGHT WITH PROXIMITY SENSOR

- ✦ Convenient proximity sensor enables activation and control of light intensity
- ✦ 3 intensity levels: 10,000, 20,000 and 30,000 LUX

FOOT CONTROL

- ✦ Simple multi-functional foot control with switches for programs & chair movement control

DELIVERY UNIT

- ✦ Traditional delivery unit with newly designed Pneumatic arm
- ✦ 1 Air rotor point, 1 air motor point & a 3-way syringe
- ✦ Option for inbuilt scaler
- ✦ 3 customizable programs & 1 prefixed - Zero position

WATER UNIT

- ✦ Cup holder with Proximity Sensor



Zero Backache Stool for Doctor Comfort



Premium Dental Chair



Ultimate Patient Comfort

Premium American Leather with Memory Foam



Overhead Delivery Unit With Large Instrument Tray

Doctor's Stool

CE / EC EN ISO 13485:2016

DCI USA LED Light 3 axis rotation: International-grade illumination with balanced colour temperature for precise shade matching and photography.

Double-Arm Assistant Console: The elevated dual-arm design keeps pipes off the floor for better hygiene while allowing assistants full access from all sides, boosting speed & comfort in four-handed dentistry.

Advanced Disinfection: State-of-the-art disinfection system for comprehensive hygiene.

5-Second Suction Delay: Ensures saliva and blood are fully evacuated before auto-shutoff-keeps lines clear and odour-free.

Extra Cushions for more comfort

Premium American Leather Upholstery with Memory Foam: Made with soft memory foam and high-quality leather, the chair looks stylish, resists scratches, & is easy to clean every day.

Top-Fill Water Bottle: Refill chair water without detaching the bottle.

Rust-Free Aluminum Casting: Superior durability and zero corrosion worries guarantee long-term reliability, even in high-moisture clinical settings.



180° Rotatable Side Cabinet



Elegant and beautiful integrated hidden switch



Sleek & Elegant curved arm design



Thicker chair frame



Stable Ultra large chassis



*Underhanging Delivery Unit option also available

Multiple color choices of leather cushion



Smooth, Sturdy, Comfortably Smart
Technology Built To Last



Doctor's Stool

- ✦ Stable and heavier base
- ✦ Comfortable memory foam leather
- ✦ Anti crushing system
- ✦ Emergency safety switch
- ✦ Sensor based triple axis movable LED operating light
- ✦ Adjustable Dual color light (white & yellow) source with digital display
- ✦ Bilateral pneumatic control design
- ✦ Low & High VAC suction with delay function
- ✦ Multifunctional additional movable tray
- ✦ Easily cleaned Removable instrument tray
- ✦ Anti spill, Anti splash detachable glass spittoon
- ✦ Multifunctional rotatable handpiece holder
- ✦ Max. load bearing capacity - 180kg



Boutique & fashionable waist headrest



Extra cushions for more comfort



High & low suction filtration system



Sensor Based Led Light With Digital Display



Safety Protection System Switch



State-of-the-art disinfection system

Multiple color choices of leather cushion



Smooth, Sturdy, Comfortably Smart Technology Built To Last



Doctor's Stool

- ✦ Stable and heavier base
- ✦ Comfortable memory foam leather
- ✦ Anti crushing system
- ✦ Emergency safety switch
- ✦ Sensor based triple axis movable LED operating light
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- ✦ Bilateral pneumatic control design
- ✦ Low & High VAC suction with delay function
- ✦ Multifunctional additional movable tray
- ✦ Easily cleaned Removable instrument tray
- ✦ Anti spill, Anti splash detachable glass spittoon
- ✦ Multifunctional rotatable handpiece holder
- ✦ Max. load bearing capacity - 180kg



Boutique & fashionable waist headrest



Extra cushions for more comfort



High & low suction filtration system



Sensor Based Led Light With Digital Display



Safety Protection System Switch



State-of-the-art disinfection system

Multiple color choices of leather cushion





DENTAL CHAIR



Saddle Type Stool



Leather Upholstery

BASE

- ✦ Seat Lift Range: 420~800mm
- ✦ Backrest Movement Range: 110~183°
- ✦ Rotatable Right Armrest
- ✦ Multifunctional Foot Control: Includes flushing and water supply buttons
- ✦ Main Switch: Controls for air, water and electricity

DELIVERY UNIT

- ✦ Large Instrument Tray: 300X550mm with integrated control panel and handle
- ✦ Rotatable Handpiece Holder: Equipped with large hole
- ✦ Side Box: Rotatable for four-hand operation
- ✦ Five-in-One Multifunctional Tissue Box

WATER UNIT

- ✦ Ceramic Spittoon Bowl: Round, removable, 180° rotatable
- ✦ Double Water Storage Bottle: For full machine pipeline disinfection

LIGHT UNIT

- ✦ LED Dental Lamp: 4 LEDs with sensor & manual switch
- ✦ Dimming: Sensor stepless dimming
- ✦ Color Temperature: 5000K
- ✦ Brightness: 6000~35000 lux
- ✦ Spot Size: 70X120mm
- ✦ Power: ≤15W
- ✦ Three-Axis Rotation: Rotation angle ≥ 270°

ASSISTANT ARM

- ✦ Tray and Control Panel: For easy accessibility and functionality
- ✦ 2 low & high vacuum suction points & One 3-way Syringe
- ✦ Double Joint Assist Arm: Rotation angle ≥ 90°

MATERIALS & BUILD QUALITY

- ✦ Plastic Parts: Made with injection molding technology, ensuring neatness, uniform thickness, and durability

TECHNICAL PARAMETERS

- ✦ Power Supply Voltage: 230V ±10% 50Hz/60Hz
- ✦ Motor Voltage: 24V
- ✦ Input Power: ≤ 800VA
- ✦ Air Pressure: 0.55-0.8 Mpa
- ✦ Water Pressure: 0.2-0.4 Mpa

Elite Star Dental Chair Shade Card

- ✦ FS16-black
- ✦ FS10-sea blue
- ✦ XH12-54 Green
- ✦ FS03-gray
- ✦ FS14-mountain blue
- ✦ FS11-nacarat





DENTAL CHAIR



- ✦ Fully Electrically operated Dental chair with seamless Wide Upholstery
- ✦ Movable Right Arm & 2 Chair Programs (Zero Position & Last Working Position)
- ✦ Proximity sensor based 4 LED light with variable intensity (8,000 - 35,000 Lux)

MOVEABLE FOOT CONTROL

- ✦ 1 Joy stick for Chair Movements
- ✦ 2 independent pedals for air & water

MOVABLE ASSISTANT ARM

- ✦ Dedicated switches for chair movements
- ✦ 2 low & high vacuum suction points & One 3-way Syringe
- ✦ 1 - Extra holder

TRADITIONAL DELIVERY UNIT

- ✦ Pneumatic locking Arm
- ✦ Very wide instrument tray with feather touch control panel
- ✦ 3 Air Rotor Points & one 3-way syringe
- ✦ 1 Extra holder
- ✦ 1 LED X-Ray viewer

WATER UNIT

- ✦ 90° Movable ceramic Spittoon
- ✦ Programmable water flow in cup filler



15 Parameters of Quality Assurance



Separate light arm and instrument arm



Oiliness gas spring for balancing chair moving. Low noise & durable



High quality and durable suction tubing



Easy to clean removable ceramic spittoon



Power protection cover for safety



3* regulators for controlling the water flow of cup filling. Spittoon rinsing and air flow of air suction



Solenoid valve with built-in filter, stops micro chippings, avoid water drops in cup filling and spittoon rinsing



High quality rust proof painting and electroplating. All stainless steel screws and washers for high efficiency



High quality tubing resists acid-base, SMC tubing resists high temperature



Bigger water filter ensures water flow capacity, good quality filter stops micro chippings, easy for maintenance



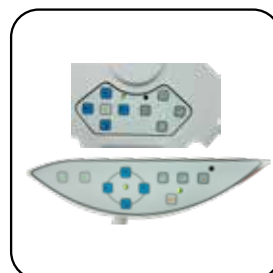
Pull-push water exchange valve for city water and fresh water



Nylon washer & oiled bearing in movement joint for low noise & durability



High quality and durable HP tubing sleeves



Clear function signs on touch panel for better control



LED Light



NEXT LEVEL Dental Experience

The Flare Dental Chair is a state-of-the-art dental chair designed to provide both dentists and patients with comfort and convenience. It is equipped with advanced features that enable precision positioning and enhance visibility during dental procedures. The chair is designed to cater to the modern dental practice's needs, ensuring efficient workflow and patient satisfaction.

FLARE DENTAL CHAIR

- ✦ Independent up & down & backrest movement
- ✦ Luxury LED operation Lamp
- ✦ Movable Right arm for easy seating of the patient
- ✦ 2 preset programs - for working position & zero position
- ✦ Feather touch control panel on delivery unit
- ✦ Doctor's stool with adjustable height

DELIVERY UNIT COMPONENTS

- ✦ High speed handpiece connector: 2sets
- ✦ Low speed handpiece connector: 1set
- ✦ 3-way syringe: 1 pcs
- ✦ Operation lamp: 1set
- ✦ Film viewer: 1set
- ✦ Saliva ejector (strong and weak): 1set
- ✦ Automatic cup filler: 1set
- ✦ Movable assistant device: 1set
- ✦ Built-out water purified system: 1set
- ✦ 24V D.C noiseless motor: 1set
- ✦ Sanitary cushion & backrest: 1 set

MOVEABLE FOOT CONTROL

- ✦ 1 Pedal for chip air (Blow)
- ✦ Pedal for air
- ✦ 1 Pedal for air & water
- ✦ Round joystick on chair base for chair movement

ASSISTANT ARM

- ✦ Movable assistant arm
- ✦ 2 suction point for low & medium suction
- ✦ One - 3 way syringe

WATER UNIT

- ✦ Fixed water unit with movable melamine spittoon
- ✦ Cup filler with option for warm & normal water



COMPRESSOR

- ✦ Medical grade Air
- ✦ Super Silent
- ✦ Oil free engine
- ✦ Air outlet filter
- ✦ Thermal protector against overheating
- ✦ Anti corrosion coating
- ✦ Dryer variants also available*



GNATUS 40L

Specification	1 HP	2 HP	3 HP	4 HP	5 HP
Power (kw)	1kw/1HP	1.5kw/2HP	2.25kw/3HP	3kw/4HP	3.3kw
Max flow (L/min)	152	304	410	547	621
0.5MPa Airflow (L/min)	78	156	211	281	324
Noise dB(A)	≤68	≤69	≤70	≤71	≤75
Tank (L)	40	60	70	100	150
Package Dimension (mm)	450×450×730	590×590×920	1030×640×880	1210×710×920	1480×630×1000
Gross Weight (kg)	31.5	57	91	127	158
For Dental Chair	1~2	3~4	5~6	7~8	8~9



GNATUS 65L



GNATUS 70L

DIGITAL MICROSCOPE

MAGNIFI 3D


DIGITAL MICROSCOPE

- ✦ No eyepieces for simple operation
- ✦ 34x magnification with a large depth of field
- ✦ Enhanced visualization for better medical communication

4K High Magnification
Optical lenses

 34X Continuous Zoom
& Magnification

3D Naked Eyes 3D
Allows for Operation

 Record & Snap
Easily

 Multi Colour Lights

 Multi-angle Movements
for Easy Operation



Perfect For

- ✦ Endodontic surgeries
- ✦ Microsurgical procedures
- ✦ ENT and general surgeries
- ✦ Medical teaching & live case broadcasting
- ✦ Clinical documentation and training setups

DIGITAL MICROSCOPE

Naked-Eye 3D Visualization:

- ✦ No eyepieces required – eliminates posture strain.
- ✦ Surgeons can view directly on a 4K screen for immersive 3D visuals



4K

High Magnification Optical Lenses: Provides 4K Ultra-high-definition images & videos

34x Digital Magnification

- ✦ Offers large depth of field and sharp clarity at every zoom level.
- ✦ Ideal for both macro and micro-level surgeries.

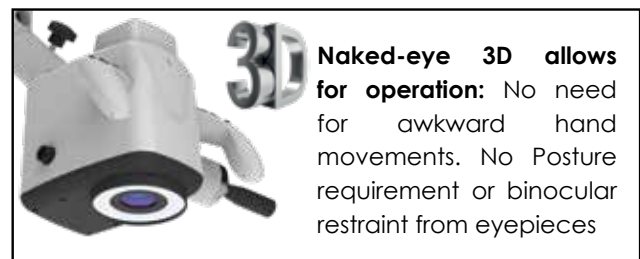


4K UHD Clarity & HD Video Recording

- ✦ Captures ultra-high-definition photos and videos for documentation and case presentation.
- ✦ Supports real-time projection on large screens during live surgeries and training. Electro-Controlled Zoom & Tilt
- ✦ Smooth tilt up to 45° forward and 90° backward to support various surgical postures.
- ✦ Integrated zoom/magnification toggle via controller – no manual adjustment needed.

Ergonomic and Efficient Design

- ✦ Frees up hand movement and operational space.
- ✦ Reduces surgical fatigue and boosts precision.



Advantages

- ✦ No eyepiece stress – promotes comfort and communication.
- ✦ Enhanced surgery accuracy via high-definition visuals.
- ✦ Easy to operate even for beginners due to simplified controls.
- ✦ Ideal for academic demos and patient education.

Upgraded Model with AR glass available with Extra Cost*

Technical Specifications	
Magnification	Up to 34x
Imaging Output	4K Ultra-HD video and image capture
Vision System	Naked-Eye 3D Digital Display
Eyepiece Requirement	None
Display	Integrated 4K Monitor
Tilt Range	Forward 45°, Backward 90°
Zoom System	Electro-Controlled Zoom
Depth of Field	Large, with enhanced focus range
Mobility	Floor-mounted stand with casters
Usage Mode	Fully digital, suitable for surgery & training

DENTAL RECORDING SYSTEM

Shadowless Light



The Dental Recording Shadowless Light System is a fully integrated, surgical-grade solution designed for modern dental clinics with a strong focus on implantology, precision surgery, documentation, and teaching. It combines high-intensity shadowless illumination, advanced FHD imaging, real-time recording, live streaming, and optional medical-grade display into a single, space-optimized platform. With multiple installation options and workstation-level functionality, it supports accurate diagnosis, minimally invasive procedures, medico-legal documentation, and academic training.

SUITABLE FOR

- ✦ Implantology and guided implant surgery
- ✦ Periodontal and oral surgery
- ✦ Endodontic and microsurgical procedures
- ✦ Teaching hospitals and dental colleges
- ✦ High-end dental clinics and surgical centers
- ✦ Clinical documentation and medico-legal recording
- ✦ Live training, workshops, and demonstrations

Key Features:

Lighting & Optics:



Dual temperature surgical light (5500K / 4500K)



High illuminance surgical light up to 160,000 Lux



Uniform dentistry-optimized light field

Control & Ergonomics:



Optional hands-free foot pedal



Multi-functional workstation base

Installation Flexibility



Multiple installation configurations (floor, ceiling, wall, chair-mounted)

Imaging & Zoom:



Sony starlight-level FHD camera sensor



20X optical + 32X digital zoom



Auto focus with manual focus lock

Power & Expansion:



Integrated power supply (AC + USB)



Expandable accessory side rail

Video & Streaming:



3G-SDI & HDMI multi-device input



RTSP real-time live streaming



MP4 recording with external storage

Display & Safety



Optional 24" medical-grade FHD monitor



IP54 disinfectant-safe surface

DENTAL RECORDING SYSTEM

ADVANTAGES & BENEFITS:

- ✦ Enables precise visualization of deep implant sites and fine soft-tissue details
- ✦ Reduces surgical risk through high-intensity, shadow-free illumination
- ✦ Improves ergonomics and reduces eye fatigue during long procedures
- ✦ Ensures uninterrupted surgical focus with manual focus lock and foot control
- ✦ Creates high-quality visual records for medico-legal and academic use
- ✦ Enhances patient trust through real-time visual explanation
- ✦ Supports live teaching, demonstrations, and expert consultations
- ✦ Eliminates dependency on wall power with an integrated mobile power station
- ✦ Optimizes operatory space by combining multiple systems into one platform

Technical Specification	
Light Type	Professional shadowless surgical LED light
Color Temperature	5500K (pure white) / 4500K (warm light)
Illuminance	20,000–100,000 Lux @ 1m Up to 160,000 Lux @ 0.5 m
Light Field	10–12 cm uniform field @ 65 cm working distance
Handle	Detachable, autoclave-safe
LED Lifespan	> 60,000 hours
Camera Sensor	Sony starlight-level sensor
Optical Zoom	20×
Digital Zoom	32×
Focus Mode	Auto focus with manual focus lock
Recording Resolution	1080P / 4K
Video Interfaces	3G-SDI, HDM
Streaming Protocol	RTSP
Recording Format	Mp4
Storage	External high-capacity drive supported
Control Options	Remote control, optional foot pedal
Monitor (Optional)	24-inch medical-grade FHD display
Grayscale Performance	10-bit+, 1024–4096 grayscale levels
Monitor Protection	IP54, anti-glare, disinfectant-safe
Power Supply (Floor Model)	220V AC outlets + USB ports
Installation Options	Floor-standing (WY320M), Ceiling-mounted (WY320C), Wall-mounted (WY320W), Chair-mounted



Ceiling Mount

SUCTION

High Power Wet Line Suction System

Stable & High-Performance Operation: Equipped with a concentrated and consistent suction mechanism to ensure reliable performance during all procedures.

Smart Frequency Conversion Technology: Automatically adjusts suction power based on the number of dental chairs in use, optimizing efficiency and output.

Built-In Noise Reduction System: Designed with internal soundproofing to maintain a quieter clinical environment, enhancing patient comfort.

Continuous High-Volume Suction: Ideal for oral surgeries, implantology, and extended procedures requiring uninterrupted, strong suction performance.

Anti-Backflow Design: Prevents contaminated fluids from flowing back into the system, ensuring a safe and hygienic treatment zone.

Corrosion-Resistant Internal Tubing: Made with high-quality, durable materials that resist corrosion for longer life and lower maintenance.

Integrated Filtration System: Efficient debris trap prevents clogging and ensures smooth operation even during heavy-duty use.

Energy-Efficient Motor: Engineered for continuous, long-term use with minimal power consumption and reduced operational cost.

Compact & Space-Saving Design: Easily fits into cabinets or utility rooms without compromising on performance or accessibility.

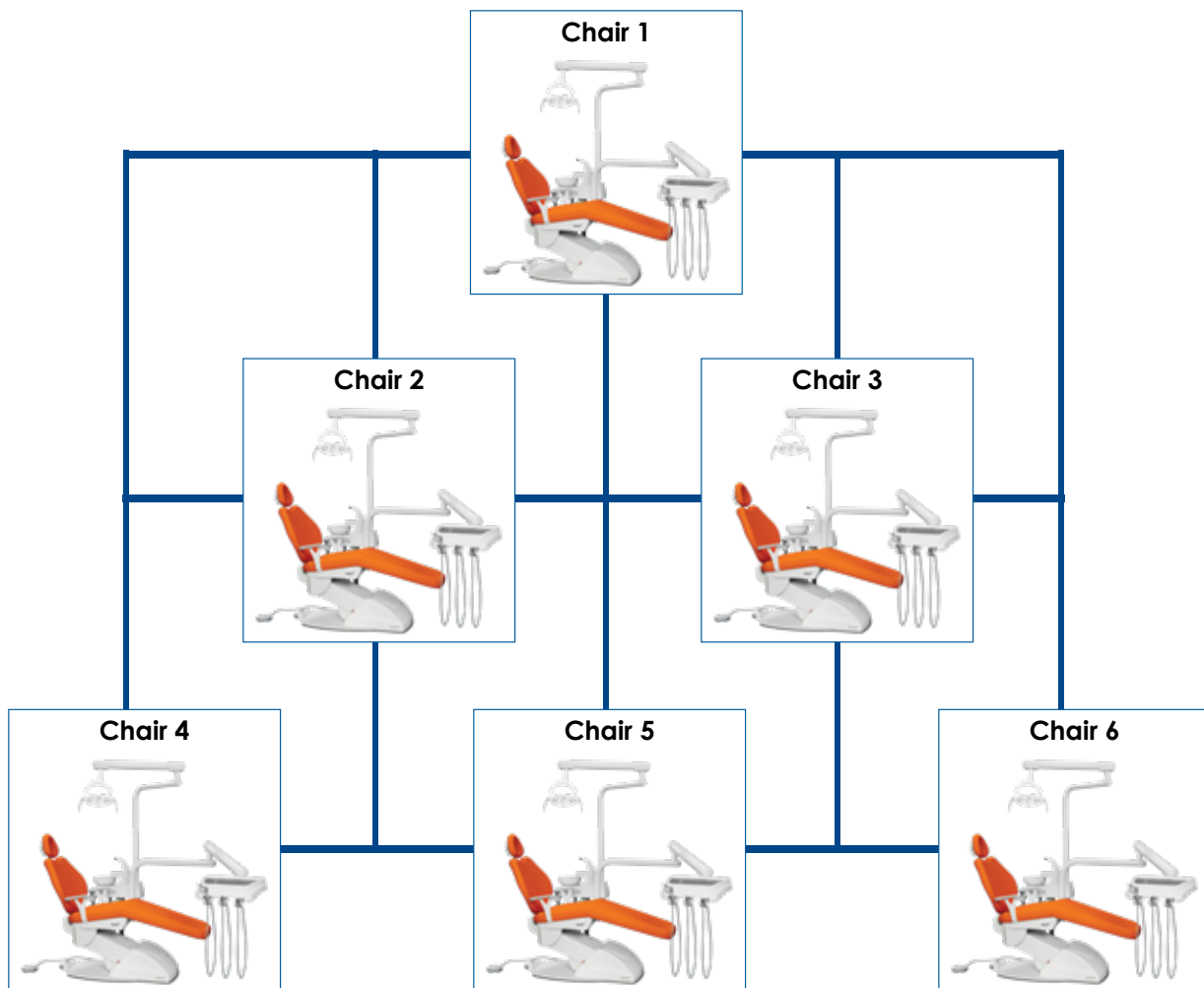
Multi-Chair Compatibility: Capable of supporting multiple dental units simultaneously, making it suitable for high-traffic clinics and setups.

Automatic Water Separation System: Effectively separates fluids before they reach the motor, protecting internal components from moisture-related damage.





Centralized Suction System



Data & Facts			
Unit Type	VMAX 450	VMAX 1250	VMAX 1450
Power (HP)	0.80	2	3
Max Pumping (L/min)	800	1100	1500
Vacuum Degree (KPa)	-13	-21 ~ -24	-22 ~ -25
Suitable Chairs	Upto 2 Chair	Upto 4 Chair	Upto 6 Chair
Noise (dB)	53	57~62	58~62

THE POWER OF TWO IN ONE Compressor Suction System



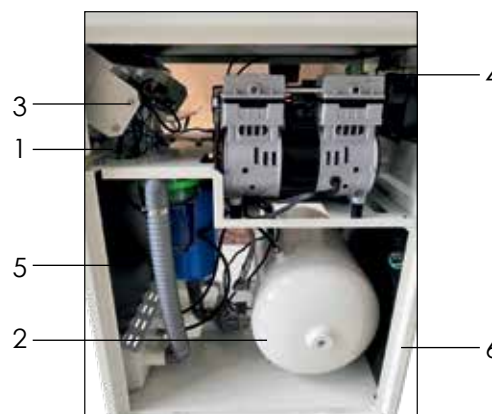
Internal Structure:

- ✦ Air pump
- ✦ Air tank
- ✦ Power control
- ✦ Suction machine PC Board
- ✦ Separation bucket of suction machine
- ✦ Sound proof cabinet

Dynamic compressor suction system combines air compressor and suction unit, and integrates two different machines into one, which can provide both negative pressure suction function and positive pressure air supply function, which greatly improves the efficiency of diagnosis and treatment.

Key Features:

- ✦ Achieve a noise-free practice, ensuring patient comfort
- ✦ Simplify procedures with a single machine for compressor and suction, saving time
- ✦ Maximize clinic space with its compact design
- ✦ Reduce costs with an all-in-one solution for efficiency and savings
- ✦ Enhance mobility for versatile dental services.
- ✦ Available for 1 & 2 dental chairs (with different model)



Compressor Suction System DAS001	
Voltage (V/Hz)	115~230V/50~60Hz
Power (Kw)	1.2
Air Compressor - Air flow@5Bar (L/min)	78
Suction Unit - Air flow (L/min)	300
Vacuum (Kpa)	-11
Sewage tank (L)	22.5
Net Weight (Kg)	69
Gross Weight (Kg)	89
Noise (dB(A))	≤65
Dimension of Machine (mm)	600x530x830
Dimension of Package (mm)	690x620x990

AUTOCLAVE

Vacuclave 123-23L B Class A Legend. Reborn.

TIME FOR A NEW ERA

You will love the new generation of MELAG devices - from their functions to their price! The all-new Pro autoclaves impress across the line: Astonishing performance, smart functions as well as a modern and extremely sturdy design open up new possibilities.

The Vacuclave 123 offers everything you need for a safe, convenient and resource-saving sterilization.

Quality – made in Germany: for maximum reliability in everyday practice

Impressive speed: in accordance to EN 13060 for time-saving workflow

Optimal drying results: for protection against re-contamination and corrosion

Uncompromising comfort: for easy and safe handling

Smart documentation concept: for complete and legally compliant proof

Eco-friendly innovation: for massive savings of electricity and water

25% more favorable price: for an economical use from the first day.

50% less maintenance work: due to extended service intervals of 2 years or 2,000 cycles.

96% lower water consumption: thanks to the trend-setting stand-alone concept with highly effective air cooling.

35% shorter cycle times: enable an efficient hygiene workflow and thus more time for what really matters: Your patients.

15% more loading: on up to 5 trays gives you the flexibility you need in your daily practice: Now and in the future.

100% more intuitive operation: with Smart-Touch Display, LED status and documentation via USB stick, the user experience is taken to the next level.



Powerful class B vacuum procedure:

Reliable sterilization of up to 6 kg on 5 trays in only 15 to 28 minutes (plus drying)



Smart-Touch Display with LED status:

Touchscreen with intuitive user interface for simple operation like your smartphone - even with medical gloves



Connectivity and data logging:

Compliance with legal requirements by saving the sterilization parameters via USB or network.



Stand-alone device concept :

Integrated water tanks and highly effective air cooling for site-independent operation without cooling water.



EasyCare routine concept:

User-friendly optimizations for efficient filter replacement, tank cleaning and water supply.

Technical specifications: Vacuclave 123-23L B Class

The Pro Line guarantee fast sterilization tailored to your needs with a wide range of programs:

Programs of Pro Line (Class B autoclaves)		Vacuclave 123 operating times (at minimum to maximum load) *	Drying (time controlled)
Universal B	134 °C, holding time: 5.5 min	24 – 31 min	20 min
Quick S	134 °C, holding time: 3.5 min	16 – 20 min	5 min
Quick B	134 °C, holding time: 5.5 min	24 – 27 min	10 min
Gentle B	121 °C, holding time: 20.5 min	39 – 47 min	20 min
Prion B	134 °C, holding time: 20.5 min	37 – 48 min	20 min

* Times for Type-B programs for single wrapped load and Quick-S for unpacked load. Times may vary depending on the type and quantity of load.

The Pro Line can be installed quickly and easily as table top autoclaves in any reprocessing room. Get an overview of the technical data:

	Pro Line - Vacuclave 123
Order no.	ME10123
Device type	Stand-alone class B autoclave (Compatible with additional water treatment unit)
Autoclave class	Class B
Chamber size	ø 25 cm x 45 cm long
Chamber volume	23 litres
Load quantity	max. 6 kg instruments / 2 kg textiles
Device dimensions (W x H x D)	47 x 50 x 64 cm (device fits on a 60 cm table top)
Weight	49 kg
Power supply	220 – 230 V / 50 – 60 Hz
Power consumption	2.100 Watts
Documentation interfaces	USB, network

AUTOCLAVE

Vacuclave 105-5L B Class

Fast has never been this fast before.

Not big. But great.

Bye bye waiting times, hello sterilization in record time. Vacuclave 105 enable up to 6 times faster workflows than conventional practice autoclaves. More productivity, more flexibility, more time for your patients.

from **6.5 min**

Quality - made in Germany

Cycle time of a conventional practice autoclave: approx. 40 min.



Up to **80%** shorter cycle times for sterilization



Up to **60%** less space required in the decontamination room



Up to **50%** Less weight than a practice autoclave

Fast & Efficient: Sterilize up to 2 trays in just 6.5 minutes (plus drying) — perfect for busy clinics.

Compact Power: At only 30 cm wide, it saves 60% space yet delivers full-size performance.

Easy & Smart: With Plug & Play, a Smart-Touch Display, and Power Save, it's simple to install, operate, and save energy.

Flexible & Cost-Saving: Use it alongside your main autoclave or solo - quickly sterilize expensive instruments between treatments and cut down on extra sets.



Powerful Class B Vacuum: Sterilize up to 2 kg on 2 trays in just 6.5–16 minutes (plus drying) — precision-engineered in Germany.



Smart-Touch Display: Easy, intuitive touchscreen control - works like your smartphone, even with gloves.



Connectivity and Logging: Stay compliant with USB/network data logging or print reports via MELAprint 80.



FlexDRY drying: Set drying time 1–60 minutes, perfectly matching your workflow.



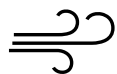
Power Save Mode: Save energy with standby heating & display between cycles.



Plug & Play Setup: Quick install using external water tanks — ready to go in no time.



Record cycle times



flexDRY drying



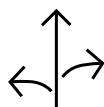
Powerful vacuum process



Intuitive operating concept



Connectivity & data logging



Plug & play installation concept



Power Save energy-saving mode



Quality made in Germany

AUTOCLAVE

European B Class Autoclave

FENG 23L TOUCH SCREEN AUTOCLAVE

Redefining The Sterilization Excellence

- ✦ B type fully automatic front-loading autoclave powered by triple vacuum cycle
- ✦ Temperature Selection - 121° C / 134° C/ B+
- ✦ Double door lock system for safety
- ✦ 5 Programs for sterilization of all types of instruments – Solid/ Hollow, Porous/Non-Porous etc.
- ✦ Built-in water quality sensor
- ✦ Bow and Dick test qualified
- ✦ Touch screen control panel
- ✦ Big open tank, easy to clean
- ✦ Data storage facility with USB functioning (2000 cycles)
- ✦ Steam generator cleaning program to increase the efficiency of the autoclave
- ✦ Chamber size: 250 mm x 450 mm
- ✦ 9 nos. error codes for self diagnosis
- ✦ Inbuilt USB & printer port with micro printer (optional)
- ✦ Product Size: 594X468X453mm
- ✦ Net Weight: 50Kg
- ✦ Voltage: 230 V 50/60Hz
- ✦ Power: 1800W
- ✦ Water tank capacity: 4.5Ltr.
- ✦ One cycle water consumption: 600ml



Work Mode Chart

Cycle Mode	Ster. Temp (degree)	Ster. Press (Kpa)	Ster. Time (Min)	Drying Time (Min)	Complete Time (min)
Unwrapped Cycle	134	210	4	10	35
Universal B Cycle	134	210	6	15	50
Rubber & Plastic unwrapped cycle	121	110	16	10	45
Rubber & Plastic wrapped cycle	121	110	20	15	60
18 min B cycle (Prion)	134	210	18	15	60
Ster. Result Testing Cycle (B&D Test)	-	-	-	-	30
Vaccum Leackage Testing Cycle	-	-	-	-	20

23 Ltr Touch Screen B-Type front loading Fully automatic with USB RECORDER



USB Record Read



Six Layer Pot Body Structure



Heat Dissipation Structure



Double Door Lock Protection

RAPICLAVE

RAPICLAVE 5L B CLASS AUTOCLAVE

Compact Power. Complete Protection

Rapid Sterilization

The whole process of the unwrapped sterilization cycle only takes 10 minutes; Instant sterilization, suitable for continuous surgeries, improve clinical work efficiency; Meet emergency sterilization needs & solve instant infection control problems; Speed up the use of instrument turnover & reduce the investment of surgical instruments.

Touch Button



- ✦ The LCD displays the data of the sterilization process with a curve, which is clear at a glance.
- ✦ Customers can customize the language, date & time.
- ✦ Omron keys with service: Life of tens of thousands of times

Multiple Program Options

- ✦ 8 sterilization programs for free options
- ✦ Precise temperature control
- ✦ No harms to instruments
- ✦ Extend instrument service life & reduce costs

Work Mode Chart

Sterilization Program	Sterilization Temp (degree)	Sterilization Time (min)
Class S Fast	134	10
Class S Standard	134	15
Class B Fast	134	12
Class B Standard	134	22
Class S Fast	121	25
Class S Standard	121	30
Class B Fast	121	26
Class B Standard	121	37

Born for sterilization of implant



Sterilize in as rapid as 10 minutes



3 Pulses Vacuum



Small Volume but large capacity

Item	Specification
Size	500 X 310 X 320
Chamber Size (mm)	192 X 96 X 300
Chamber Volume (L)	5L
Chamber Type	B
Rated Voltage	AC220v/50Hz
Input Power (VA)	1800VA
Initial Default Pressure	-0.1/0.3Mpa
Initial Default Temperature	140°C
Water Tank Volume (L)	1L
Water consumption for one sterilization (ml)	200mL
Minimum Water Supply	250mL
Ambient Temperature (°C)	+5°C-40°C
Relative Humidity Range	≤85%
NW	26Kg
GW	30 Kg
Residual humidity after drying of the device	≤0.2%
Residual humidity after drying of the dressing	≤1%
The highest vacuum	≤-0.92Kpa

MELAseal[®] 100+

The tried-and-tested concept of MELAseal[®] 100+ provides a reliable solution for your packaging process. The sealing device combines performance with functionality: Seal transparent sterilization packaging without pause after a pre-heating time of only four minutes. The integrated electronics of the device monitors the sealing temperature and time. The acoustic and visual signal facilitate the evaluation of the seal seam quality. The individually adjustable thermostat permits the flexible use of versatile sterilization packaging. MELAseal[®] 100+ with a 10 mm seal seam width significantly exceeds the prescribed width of 6 mm required by EN 868-5, thus guaranteeing additional safety



- ✦ Short pre-heating and sealing times guarantee quick sealing processes
- ✦ Compact dimensions take up a minimum amount of space on your worktop
- ✦ Acoustic and visual signals ensure the proper monitoring of the sealing time and temperature
- ✦ Customizable: The lever can be set on the right or left-hand side
- ✦ Maintenance-free operation eliminates service costs

DENTAL SEALER- SEAL-120

- ✦ Power: 100 W
- ✦ Power Supply: 230 V | 50–60 Hz
- ✦ Sealing Temperature: 200°C ±10°C
- ✦ Indentation Width: 12 mm
- ✦ Maximum Seal Width: 280 mm
- ✦ Package Dimensions: 500 × 400 × 210 mm
- ✦ Net Weight: 4.8 kg



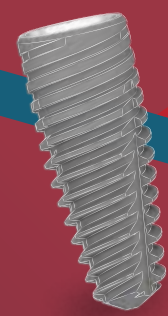
UV CHAMBER

- ✦ S.S. Chamber with 12 S.S Trays
- ✦ Imported Phillips 8W UV-C tube
- ✦ Equipped with 1 LED light to improve visibility when the door is open
- ✦ For storage of Sterilized instruments for longer period
- ✦ The door switch interlock prevents the emission of UVC light when the chamber is opened





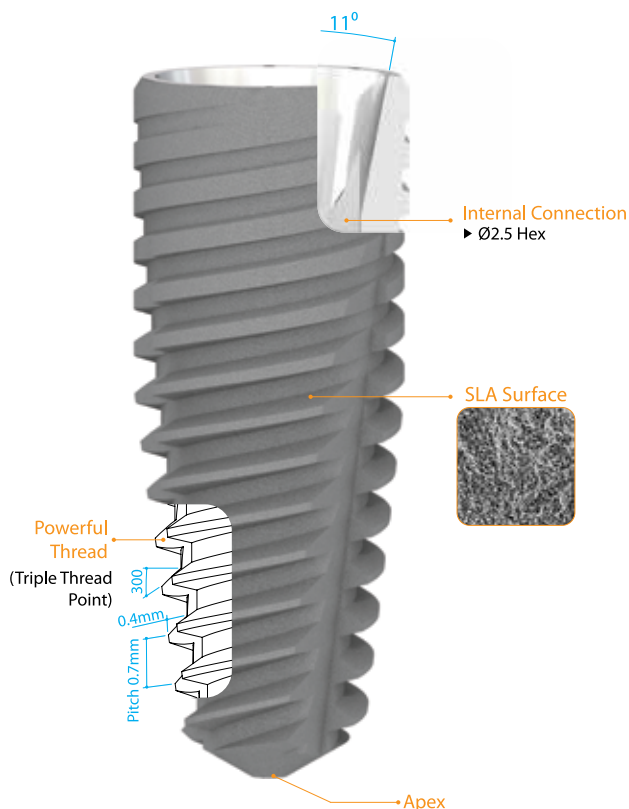
IMPLANT UNIVERSE



SUBMERGED 3

Submerged 3 is a standard dental implant produced by CSM. Its connection is internal, with a hexagon shape with morse taper. It's a bone level implant. Its head is straight. Its body is tapered with reverse buttress threads. Its apex has a cone shape, doesn't have a hole, and has grooves. It is available in 5 different diameters and 4 different lengths. It requires a hexdriver of six-point star shape.

- ✦ 100% Biocompatible Grade V Titanium
- ✦ Dual Threads: Active & Passive
- ✦ Ideal for Soft Bone /condition
- ✦ Excellent Primary Stability
- ✦ 11 Degree Morse Taper
- ✦ Immediate Loading
- ✦ V-Shaped Apex
- ✦ SLA Surface



Surgical Kit



Specification					
Length / Diameter	3.6mm	4.0mm	4.4mm	4.8mm	5.2mm
8.00mm	C5F3608	C5F4008	C5F4408	C5F4808	C5F5208
10.00mm	C5F3610	C5F4010	C5F4410	C5F4810	C5F5210
12.00mm	C5F3612	C5F4012	C5F4412	C5F4812	C5F5212
14.00mm	C5F3614	C5F4014	C5F4414	C5F4814	C5F5214

iD1

Dental Implant Locator

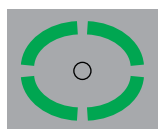
Insight into the invisible precise positioning



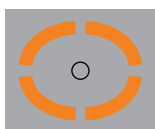
Accurately locate the position of the implant cover screw obscured by the gum.

Rapid Positioning

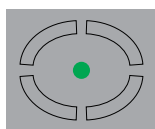
In 3 steps, you can determine the position of the embedded implant.



Approaching



Passing



Locating



Move iD1 towards the estimated position of the implant. When approaching, the green ring will remain lit. After passing the implant position, the indicator will turn yellow. When the implant position is confirmed, the center green light will stay on.

Convenient

Free rotating



The iD1 probe can rotate freely 360° allowing for multi-angled detection

One-click operating



With just one button, it is easy to operate and user-friendly.

Ultra-long standby



Equipped with a rechargeable lithium battery for ultra-long standby and greater durability.



Assisted minimally invasive treatment



Accurate positioning of the implant site allows for minimally invasive surgery, resulting in smaller wounds and minimal bleeding, with little to no need for sutures and faster healing. This approach avoids the extensive flap technique used in traditional methods, reducing the risk of complications.

iT3

Dental Implant Torque Wrench

From Orthodontic to Prosthetic All by iT3

Suitable for the installation and removal of healing abutments and cover screws. All-in-one machine operation, convenient and fast, with no risk of instrument dropping. Constant output for stability.

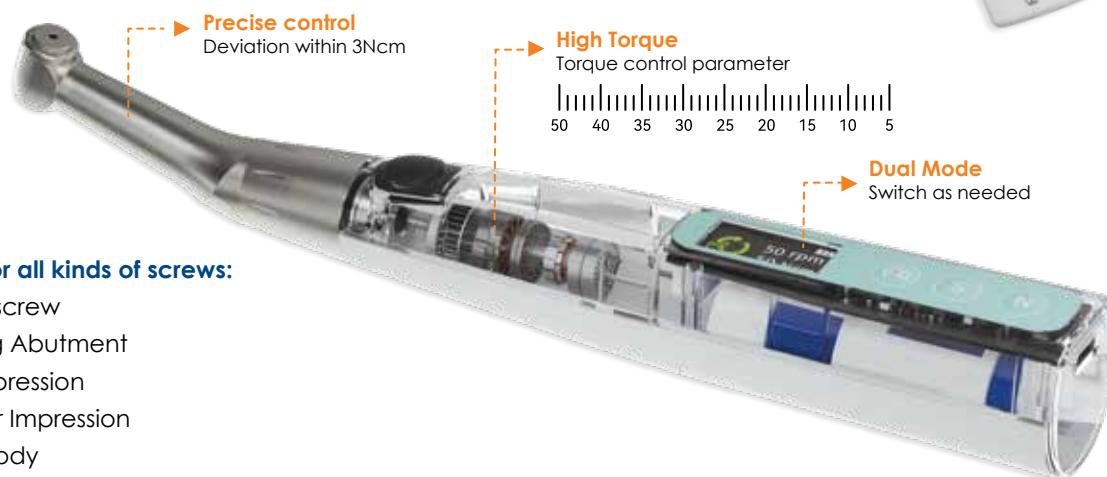
- ✦ **Strong compatibility**
- ✦ **High torque**
- ✦ **Precise control**
- ✦ **One-handed Operation**
- ✦ **Rapid Treatment**
- ✦ **Stable and accurate**

Installation & removal of orthodontic screw

- ✦ Torque of 15~35Ncm will be workable even for insertion and removal in hard bone
- ✦ Precise torque control ensure a stable operation, so the orthodontic screw is less likely to break or loose

Prosthetic application

- ✦ Precise torque greatly reduces the chance of screw loosening
- ✦ Small and contra-angle design makes posterior access easier



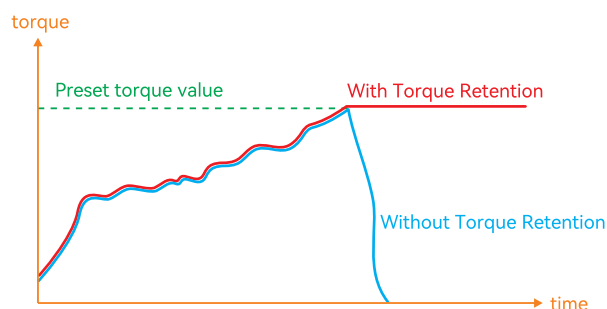
Suitable for all kinds of screws:

- ✦ Cover screw
- ✦ Healing Abutment
- ✦ Bite Impression
- ✦ Transfer Impression
- ✦ Scan Body
- ✦ Pick-Up Impression
- ✦ Transfer Impression
- ✦ Punch

Torque retention: Minimize the impact of bone elasticity on implant insertion torque

With Torque Retention: Achieve setting value more precisely

Without Torque Retention: Often lower than the preset value

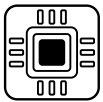


iCHECK

Implant Stability Meter

Insightful and precise control

Abandoning the traditional detection method using torque wrenches. Simplified measurement, more convenient operation. Utilizing tapping technology and an automatic safety system, it is used to examine the early integration of implants.



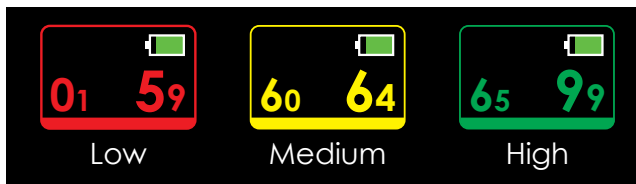
Smart monitoring

Data is obtained after 6 taps
When stability is less than 59
The tapping rod will stop after just 2 taps and enter the protection program



Three color smart indicator

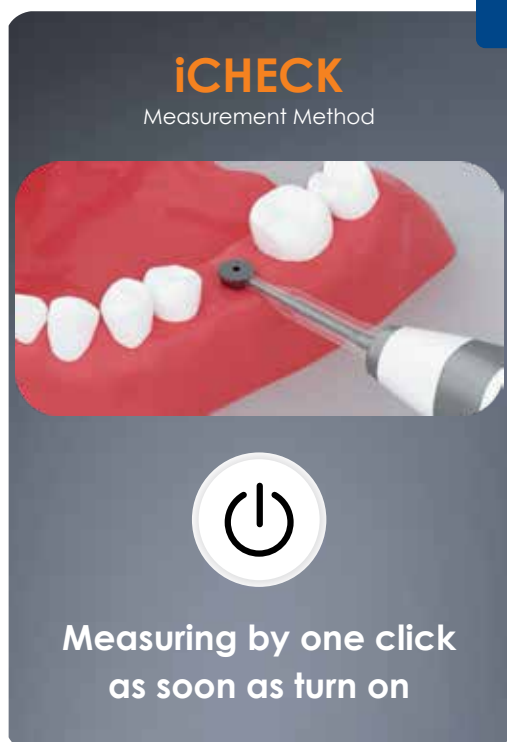
Red data **01-59** substandard
Yellow data **60-64** to be observed
Green data **65-99** complaint



Say good-bye to complexity by One-click Quick Check

Comparison of measuring steps

VS



iCHECK
Measurement Method

Measuring by one click
as soon as turn on

- 1 Uninstall abutment

- 2 Install measuring rod

- 3 Measuring

- 4 Uninstall measuring rod

- 5 Install abutment

Tradition steps



Implant Activator

10s Activation Ultra strong Implant Compatibility

The COXO Dental Implant UV Activator is a device used in dentistry to enhance the osseointegration and success of dental implants.

How it works:

It uses UV light (specifically 172nm wavelength) to catalyze and activate the surface of the dental implant. This process makes the implant surface more hydrophilic (attracts water), which can improve bone healing and integration with the surrounding bone.

Benefits:

- ✦ **Improved osseointegration:** The UA-1 helps improve the rate of bone integration, shortening the time required for bone healing.
- ✦ **Reduced healing time:** It can reduce the healing time from approximately 3 months to around 1 month.
- ✦ **Increased bone contact rate:** The device helps to increase the bone contact rate with the implant surface, potentially improving its stability.
- ✦ **Enhanced implant success:** By accelerating healing and improving osseointegration, the UA-1 contributes to the overall success of dental implant procedures.
- ✦ **Decontamination:** It also helps decontaminate the implant surface.

Features:

- ✦ **Fast activation:** Activation takes only 10 seconds.
- ✦ **Ultra-strong implant compatibility:** Compatible with various implant sizes.
- ✦ **Intuitive control:** Features easy-to-use buttons and LED indicators for clear operational information.
- ✦ **Touch screen:** Allows for easy parameter setup and adjustment.
- ✦ **Voice command:** Enables voice control of the device.
- ✦ **Multiple implant holders:** Includes holders for various implant sizes (M1.8, M1.6, M1.4, S, L).



Specification	
Adapter	AC100–240V 50/60Hz
Input power	220W
Ozone production	<0.02ppm
Activation time	10s
UV wavelength	172nm
Weight	5.5kg
Control unit size	18.7 × 31.6 × 33.1 cm

Induction Switch: Contactless operation to avoid infection



Surgic-X

**Implant Motors/ Physiodispensers
With 20:1 Surgical Contra Angle Handpiece**

**Implant mode & Surgery mode | Multiple
Program Option | Graphical Interface**

**Master in placing Dental Implants with
Stability, Precision & Safety**



Features

- ✦ Brushless surgical motor with 80 Ncm torque & Fully autoclavable cables
- ✦ Ultra-low noise operation.
- ✦ Dual lighting systems - integrated LED (>30,000 lux) and fiber optics - ensure bright, shadow-free illumination.
- ✦ 7-inch touchscreen with real-time parameter monitoring (speed, torque, coolant flow)
- ✦ One-touch presets for common procedures
- ✦ Customizable programs via intuitive graphical interface
- ✦ Light weight contra-angle handpieces (autoclavable)
- ✦ 4 adjustable coolant levels (up to 50 mL/min) with built-in peristaltic pump.
- ✦ Overload protection, thermal sensors, and sterilization-compatible components.

Foot Pedal



TECHNICAL SPECIFICATION- COXO SURGIC-X	
Power Supply Voltage (V/Hz)	110-130V~50/60Hz or 220-240V~50/60Hz
Frequency	120VA
Operating Mode	Duty Cycle: Max.T_ON:40s, Min.T_OFF: 10min
Classified of protection against Electric shock	Class I
Protection against electric shock	Type B applied part
Degree of Protection (IEC 60529)	IPX7 (foot pedal)
Classified by security	Non-AP / APG
Attitude	≤2000m
Overvoltage category	Class II
Pollution degree	Degree 2
Applied Part	Motor
Maxima torque (20:1)	70 N.cm

Piezo-X

Dental Piezo Surgery System

Powerful | Stable | Multipurpose



LED Handpiece

Separation Design

7 Inch Full Color Touch Screen - Easy To Use



Multipurpose Foot Control

Water volume control

M Multi-mode switching

Power control



Ultra-quiet Water Pump

Comfortable operating experience



Basic Tips Kit

US1/ US2*2/ US4 / US5/ UL3 / UC1
6 types (Equipped with 7 tips)

TECHNICAL SPECIFICATION- COXO PIEZO SURGERY	
Power Supply Voltage	110-240V, 50/60Hz, 150VA
Device for intermittent Operation	60s ON, 10s OFF
Fuses	3.15AT, 250V
Flow	45-100ml/min
Raial amplitude	8-63µm
Transverse amplitude	1.5-12µm
Working tips frequency	23.8kHz-32.2kHz
Handle	130.3 × Ø33.5mm
Volume (cm)	28 × 23 × 14cm
Weight (kg)	3.4kg
Tips (Basic Kit)	US1/US2/US4/US5/UL3/UC1



Bone Mode



Perio Mode



Endo Mode



Cleaning Mode

- ✦ Power 6-7 Very high bone density
- ✦ Power 2-3: Middle bone density

- ✦ Power 4-5: High bone density
- ✦ Power 1: Low bone density

ADVANCED PIEZOSURGERY UNIT

UltraSurgery

The globally reliable expert of bone cutting

Minimally invasive for cutting bone, fast, accurate, stable
Accurate, minimally invasive selective cutting

Safe: Handpiece & tube are available for autoclave, ensure the sterile environment

User-friendly control: Waterproof operation interface, is more suitable for clinical practice

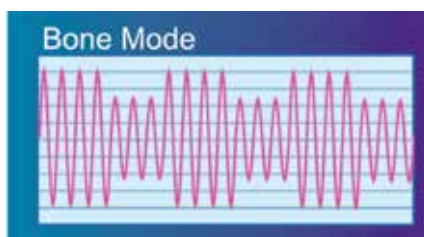
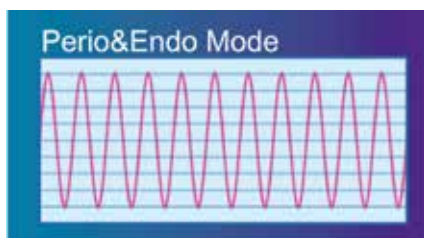
New developed design of handpiece:

Developed internal structure: New handpiece is more compatible with tips, and it vibrates and cuts stably

Strengthened sealing technique: Enhancing tolerance of high-temperature autoclave, it is with stable quality

Clinical Benefits:

- ✦ No damage to soft tissue while cutting hard tissue
- ✦ Painless & bloodless
- ✦ Improved bone healing
- ✦ Micrometric bone cutting
- ✦ Multiple applications
- ✦ Versatile bone cutting tips



Applications

- ✦ Oral Surgery
- ✦ Orthopedic Surgery
- ✦ Maxillofacial Surgery
- ✦ Cosmetic Surgery
- ✦ Neurology Surgery

Technical parameters

- ✦ Supply Voltage: 220-240V~50Hz/60Hz
- ✦ Frequency: 24kHz~29.5kHz
- ✦ Max. Power Absorbed: 100VA
- ✦ Amount Of Water: 25ml/min~100ml/min
- ✦ Main Unit Weight: 3.8kg
- ✦ Dimensions: 330mmx254mmx167mm

ADVANCED PIEZOSURGERY UNIT

Surgery-X

The Third Generation Woodpecker Piezosurgery

**Woodpecker DTE Surgery X,
A Piezosurgery Unit to perform precise
and safe osteotomy procedures**

Include 2 Fiber Optic Handpieces
& 14 Tips (Basic + Sinus Lift Kit)

- ✦ Selective cutting with no injury to soft tissue
- ✦ Enhanced precision in bone cutting with a soft tissue-sparing technique
- ✦ Micrometric bone cutting for reduced patient stress and post-operative trauma
- ✦ Cavitation the effect for bloodless surgery
- ✦ Cold cutting mode

Clinical applications

Minimally invasive tooth extraction, direct or indirect sinus lift, alveoplasty, retrograde endo, apicoectomy, crown extension, alveolar ridge splitting, implant site preparation, impaction, etc.

Technical Specification :

- ✦ Dimensions: 276mm x 267mm x 110mm
- ✦ Water Flow: 25~110ml/min
- ✦ Power: 5 - 70W
- ✦ Working Frequency: 24-36KHZ
- ✦ Weight: 2.8 kg
- ✦ Vibration the amplitude of tip: 20-100 mm
- ✦ Surgical Incision: 3.5mm long, 0.5mm wide
- ✦ Mains voltage: 100-240V~50Hz/60Hz 150VA
- ✦ Intermittent running with 10s pause after 60s operation



Four different working modes are set :

- ✦ Bone Mode
- ✦ Perio Mode
- ✦ Endo Mode
- ✦ Clean Mode

Tips Kit

Specialised kits for various surgical Osteotomy procedures e.g. tooth extraction, crest splitting & retrograde endo preparation etc.



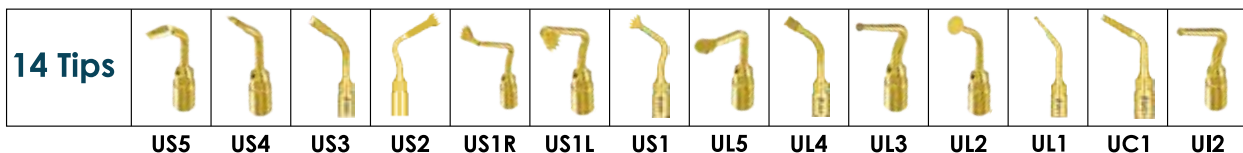
7-Inch touch screen

7- inch screen with clear display operate directly by tapping the screen, easy to clean & maintain



Multi-function Foot Pedal

Foot Pedal simplifying operation procedures with aseptic control



IMPLANT MOTOR

Implant-X

Master in placing Dental Implants with Stability, Precision & Safety

Specification	
Rotation Speed Range	300-40,000 rpm
Motor Torque	6.2 Ncm
Torque Range (Gear 20:1)	5Ncm-80Ncm
Max Pump Output	110ml/min
Main Unit Dimensions (L X W X H)	276mm X 267mm X 10mm
Motor Dimensions	23.4mm X L91mm
Motor Weight	140g
Max. Pump output	110ml/min
Power Supply	AC 220V 50/60Hz



Powered By:



German Bearing



LED Swiss Motor

- + **Dismantable LED Handpiece with German Bearings:** Guarantee performance & durability of contra-angle
- + **Perfect Balance:** Balance between the weight of contra-angle and motor guarantee & reduces fatigue in complex surgeries

- + **Intuitive User Interface:** Large 7" colour touch screen easy to clean & maintain
- + **Mute Peristaltic Pump:** Easy to connect and compatible with disposable water tubings
- + **Flexible Multi-Function Foot Pedal:** For aseptic operations



Surgic Pro2 Optic

Go Beyond

Surgical micromotor system connecting you with the future.

The internationally acclaimed Surgic Pro surgical micromotor system has evolved into "Surgic Pro2". There are 3 progress points, in operation, safety and wireless extensibility.



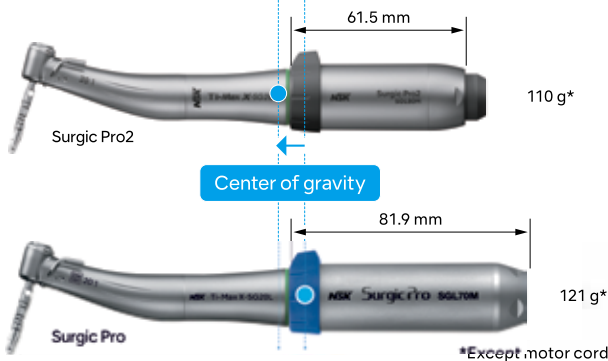
Operability

There are a range of upgrades to ensure even greater comfort during implant treatment. These specifications put the needs of professionals first.

Improved operability

A more compact new motor.

Significant size and weight reductions were achieved for the motor with NSK's proprietary more-motor technology.



Operability during treatment has been greatly improved by moving the center of gravity closer to the head of the handpiece. This increases efficiency and alleviates the stress during prolonged operation for strain-free, effortless operation.

**Length
24.9% Down**

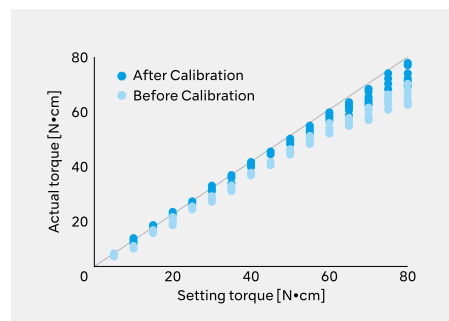
**Weight
9.1% Down**

NSK's Drive for Accuracy Ensure Safe Treatment through Accurate

Torque Correction The displayed torque value accuracy is dependent on the state of handpiece bearings and gear abrasion. Surgic Pro2 torque calibration allows for this to be taken into account to display more accurate values.

NSK's 'Advanced Handpiece Calibration' (AHC) function corrects the differences in actual handpiece condition using automatic calibration with no load current and load-bearing calibration to achieve accurate torque values for successful implant surgery.

Minimizing the discrepancy between the set torque value and the actual output helps improve treatment outcomes.



- ✦ Wireless connection with multiple devices
- ✦ Easy clean flat LED touch panel screen display
- ✦ Multi-function wireless foot control: Coolant Solution Flow Volume Button, PRG(Program) Button, Forward/Reverse Button, Speed Control Pedal
- ✦ Programs: 8 Programs / Implant Systems
- ✦ Torque: 5-80 Ncm

SURGICAL IMPLANT MOTOR

Surgic AP2

Wireless Foot Control

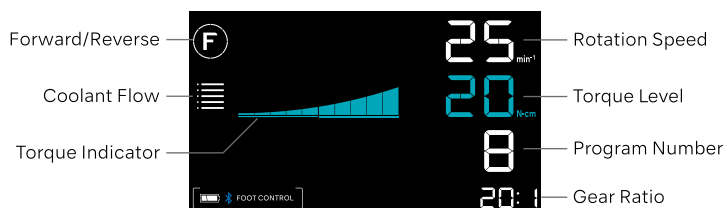
The Ultimate fusion of precision and simplicity



Designed specifically for oral and implant surgery, Surgic AP2

delivers all the power and performance you will ever need for these procedures.

80N of torque, together with a wide speed-range of 200-40,000min⁻¹ offers the flexibility and fast response required for a variety of surgical procedures. The compact console is user-friendly, simple to operate and has been specifically designed for the aseptic theatre environment.



Superb visibility and operability large color LCD panel: Visibility is guaranteed with the large, back-lit, high-contrast, LCD panel. The display can be adjusted in 10 brightness levels. The display's intuitive and easy-to-understand icons allow for smooth operation.



This new handpiece is 2mm smaller than the previous model, offering better access through surgical guides and a wider field of view. Its compact size also enhances patient comfort and improves overall procedure accessibility.

Maximum Torque	
Surgic AP	50 N·cm
▼	
Surgic AP2	80 N·cm

A more compact yet powerful motor & minimized handpiece head reduce strain.



Wireless foot control (FC-84) | Power supply: AC 230 V 50 / 60 Hz |

Max. Pump Output: 75 mL / min | Programs: 08 |

Dimensions: W 245 x D 235 x H 90 mm



Silent & Efficient Irrigation Pump:

Delivers a steady, quiet flow with easy tubing setup. Seamlessly integrates into the compact, elegant design of the Surgic AP2.

User-Friendly Wireless Foot Control (FC-84):

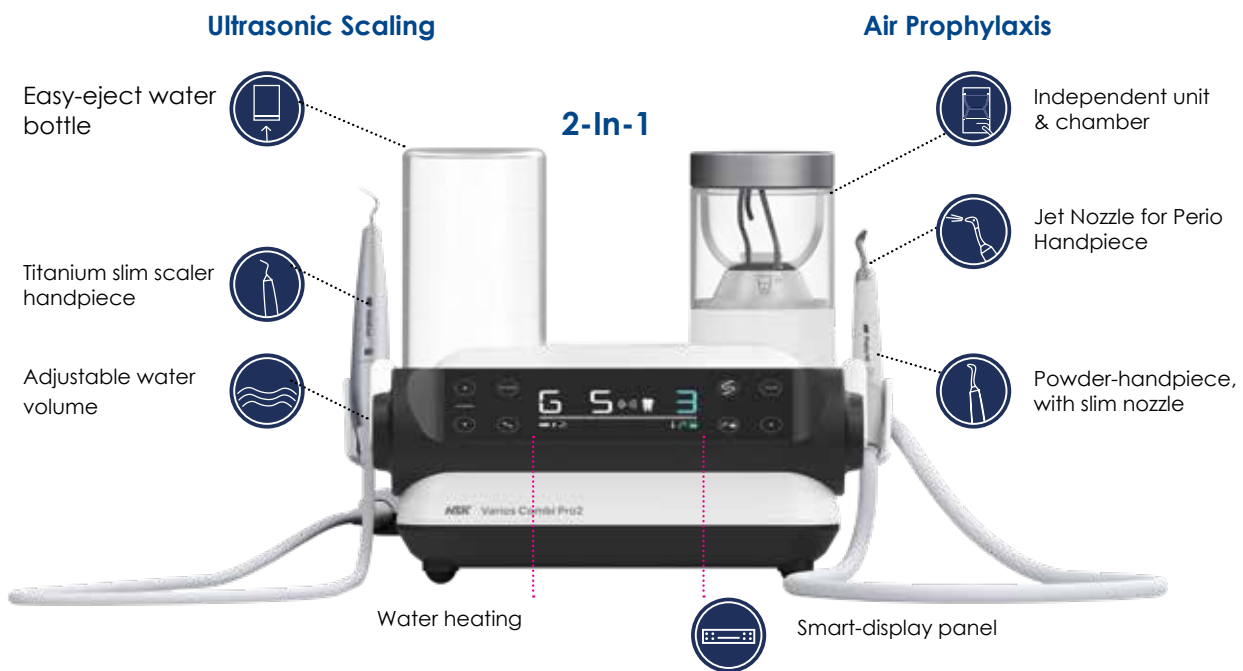
Bluetooth® connectivity enables cable-free operation and flexible pedal positioning. Now lighter for quick and easy adjustments.

VARIOS COMBI PRO2

NSK Varios Combi Pro2 Ultrasonic Scaler & Air Polishing Unit

Precision Scaling. Powerful Polishing. Truly Minimally Invasive.

Designed to deliver subgingival and supragingival powder therapy with ultrasonic scaling for periodontal treatment through a **Minimal Invasive Therapy (M.I.T.) approach**, The **NSK Varios Combi Pro2** is a next-generation ultrasonic scaler and air polishing unit. It is a next-generation combi-device designed to deliver exactly what clinicians demand—**precision, efficiency & simplicity.**



TECHNICAL SPECIFICATION- NSK VARIOS COMBI PRO2 ULTRASONIC SCALER & AIR POLISHING UNIT	
Power Supply	AC 220 – 240 V, 50/60 Hz
Ultrasonic Frequency	28 – 32 kHz
Maximum Output	11 W
Dimensions	W 249 × D 290 × H 215 mm
Weight:	3.5 kg

POWDERS

FLASH Pearl

Polishing powder for supragingival use, with spherical particles that are gentle on the tooth surface.

Intended use: removal of stubborn stains

Principal ingredient: Calcium carbonate
Average particle size: **54 µm**



Perio Mate Powder

Polishing powder for gingival margin and subgingival use.

Intended use: removal of biofilm & minor staining

Principal ingredient: Glycine
Average particle size: **25 µm**



VARIOS COMBI PRO2

MIT

Minimally Invasive Therapy

With the Varios Combi Pro2 you can deliver NSK's Minimally Invasive Therapy (MIT) - helping you, the oral hygiene hero, to be your best version. Complete STEP 2, STEP 3, and STEP 5 of the MIT protocol, using its ultrasonic scaler and powder therapy, for supragingival and subgingival treatment.



What's Included

- ✦ Varios Combi Pro2 Control Unit
- ✦ VA2-LUX-HP Ti
- ✦ VA2-LUX-SC Ti
- ✦ Prophy Chamber 2
- ✦ Prophy Hose 2
- ✦ Powder Handpiece (Prophy)
- ✦ Wireless Foot Control
- ✦ Hanger
- ✦ Air Hose
- ✦ Water Hose
- ✦ Irrigation Bottle Set
- ✦ CLM Bottle Set

NSK is committed to quality oral hygiene and creating intuitive, daily driver dental products

PT MASTER

2-in-1 Dental Scaler & Air Polisher Unit

The Coxo PT Master 2 in 1 Dental Scaler & Air Polisher Unit is designed for complete prophylaxis and periodontal maintenance workflows by combining ultrasonic scaling and air polishing in one integrated system. It supports supragingival and subgingival air polishing along with ultrasonic scaling modes for scaling, perio, endo, and irrigation procedures. With a large touch screen, auto-identification system, wireless pedal, and dedicated water and powder management, it helps clinicians perform efficient biofilm, stain, and calculus removal with better control and workflow convenience.



TECHNICAL SPECIFICATION- PT MASTER	
Adapter	AC 100–240V, 50/60Hz
Input Power	80 VA
Ultrasonic Tip Vibration Offset	< 200 μm
Ultrasonic Tip Vibration Frequency	24–36 kHz
Half Offset Force	≥ 0.5 N

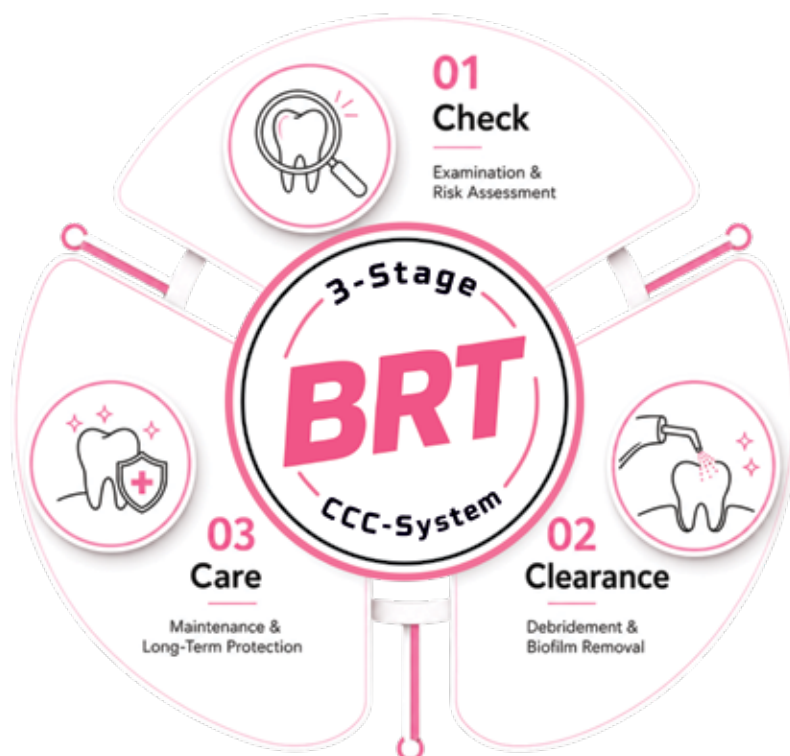
TECHNICAL SPECIFICATION- PT MASTER	
Ultrasonic Tip Output Power	0.8–13 W
Input Pressure	0.55–0.7 MPa
Water Tank Capacity	1000 ml
Control Unit Size	30 × 26 × 13 cm
Weight	3 kg
Pedal Type	Wireless Pedal

Key Features

- ✦ 2-in-1 Prophylaxis Workflow
- ✦ Multi-Mode Ultrasonic Scaling
- ✦ Smart Air Polishing System
- ✦ Intelligent Operation & Control
- ✦ Efficient Water & Filtration Design



Wireless Pedal Convenience



Osseotouch Magnetic Mallet

Introducing Magnetic Mallet, A surgical device, making Implantology simplified. Developed by Osseotouch, Italy, the Magnetic Mallet uses cutting-edge Magneto-Dynamic Technology to perform minimal invasive implantology, offering a drill-free approach that truly simplifies procedures.

Key Features & Applications:

- ✦ **Drill-Free Implantology:** Redefines implant site preparation with enhanced precision and ease, changing the rules of the field.

Versatile Applications:

- ✦ **Implant site preparation**
- ✦ **Sinus Lift:** Indirect Sinus lift Crestal approach with the Elevate Kit using mm stoppers even with residual bone height of 2mm
- ✦ **Ridge Split:** Simplifies spitting even with Ridge width of 2mm with special Genoa Instruments
- ✦ **Extractions and Impactions:** Without compromising the Buccal plate to assist in immediate implant placement post extraction
- ✦ **Crown Removal:** Removes crowns and bridges without cutting.
- ✦ **Membrane Fixation simplifying GBR**
- ✦ **Pterygoid Implant Placement**
- ✦ **Mandible Site Preparation:** Implant site preparation in selective Mandible cases depending upon Bone Type



Black Ruby 5 Kit



Guided Surgery Kit



Elevate Kit

Innovative Techniques:

- ✦ **LMSF (Localized Management of Sinus Floor):** With Special Black Ruby Instruments, helps to modulate the sinus distally / mesially avoiding crestal / lateral approach for placing implants.
- ✦ **Guided Surgery Kit:** Enables Implant site procedures in complex / compromised bone situation in the maxilla

Enhanced Outcomes:

- ✦ **No Bone Necrosis:** Avoids heat generation and reducing inflammation, ensuring faster healing.
- ✦ **Bone Compromised Cases:** Transforms soft bone to cortical bone, enhancing osseointegration and primary stability, enabling immediate implant loading.
- ✦ **Ultra-Controlled Power:** Provides incremental upto 330 DNcm (1000 pounds of force) with superior control, ensuring precise results.
- ✦ **Irrigation-Free Surgery:** Ensures clear vision and maintains biological integrity

Premium Instrumentation: Osseotouch offers an artillery of 70 instruments. The Basix Kit includes 10 instruments made with Grade SS 602 Steel, ensuring durability with a lifespan of 8-10 years. On the same hand, instruments and kits can be customised as per the surgical requirement.

Why Choose Magnetic Mallet?

Simplifies complex procedures like sinus lifts, ridge splits, and extractions. Reduces patient discomfort and enhances healing with heat-free operations. Increases efficiency, accuracy, and success rates in implantology provides one stop solution.

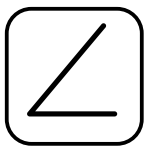
How It Works:

The handpiece incorporates magnets aligned to generate an acceleration force of 5000G using electrical impedance. Paired with specially designed instruments, it creates osseodensification both vertically and laterally, enabling efficient bone shaping.

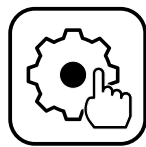
Ray 98p (Gun Type) Handheld Portable X-Ray

IMAGING IN MY CONTROL

MODERN MEDICAL IMAGING TECHNOLOGY
More accurate and more flexible.



Smart Camera
Angle Assistance



Ergonomic
Design



Long Battery Life

Technical Specifications	
Tube Voltage	70kV±10%
Tube Current	2mA + 20%
Input Voltage	100V-240V
Frequency	50 -60Hz
Anode Angle	12.5°
Focus	0.4mm
Exposure Time Range	0.04s -2.0s
Leak Emissivity	1 meter 0.25mGy/h
Machine Weight	1.7kg
Relative Humidity	30%RH-75%RH

RVG 5200

The RVG 5200 is the perfect choice for those looking to take a first step into digital dental radiography. An ideal solution for intraoral imaging needs, the easy-to-use sensor allows users to capture exceptional images quickly and easily. The image quality of the RVG 5200 sensor is the same or higher than other intraoral sensors in its class - so there is no need to sacrifice image quality for affordability.

Easy to install, so you can use it immediately

The RVG 5200's user-optimized quick install & user guides help through the installations process, while the post-installation tool verifies the system is working properly to eliminate downtime.

Technology you can count on

The RVG 5200 sensor is backed by Carestream Dental's decades of experience in digital radiography systems and engineering. To protect your investment, all of the connection points along the sensor cable have been reinforced for added durability, ensuring the sensor can withstand hard pulls and torsions.



Waterproof & fully submersible for optional infection control

PROVEN RVG TECHNOLOGY ESTABLISHED RELIABILITY



High Image Quality



Convenient quickstart



Maximum durability



CE / EC US FDA / ISO 13485:2016

Technical Specifications	
Technology	CMOS
True Image Resolution	16 lp/mm
Connection	USB 2.0 - High Speed
Size 1	All Purpose sensor providing the best compromise between ease of use and active area
Outside Dimensions	27.6 x 37.7 mm
Dimensions of Active Area	22.2 x 29.6 mm
Sensor Plate Thickness	7.3 mm



Xpect Vision Intraoral Sensor – Now Powered by AI

The Massive Upgrade Has Arrived: AI + Photon Counting Technology

Xpect Vision, the pioneer behind the world's first Photon Counting Intraoral Sensor, has just redefined diagnostic precision by integrating the power of Artificial Intelligence into its cutting-edge imaging platform.

Already celebrated for its revolutionary Photon Counting Detection—a technology that avoids the distortion of light scattering by enabling direct X-ray imaging—Xpect Vision now enters a new era of AI-enhanced dentistry. This upgrade is not just incremental. It's transformational.

Cutting Edge Technology and Strict Tests Deliver Unrivaled Durability

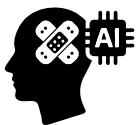
The Xpectvision intraoral sensor uses silicon-based chips instead of the traditional material, cesium iodide (CsI), avoiding image blurring or performance deterioration.

Competitor	Xpectvision
<p>X-Ray</p> <p>Scintillator</p> <p>Visible Photon</p> <p>X-Ray Photon</p> <p>Photodiode</p> <p>Electric Circuit</p>	<p>X-Ray</p> <p>Current Carrier</p> <p>X-Ray Photon</p> <p>Solder Bump</p> <p>Readout Chip</p>
Cesium Iodide (CsI) Indirect Imaging	Silicon-based chip Direct imaging

What's New: AI-Powered Intelligence, Built Right In



AI-Powered Imaging: Get unmatched clarity powered by advanced algorithms that interpret radiographs in real-time.



AI-Enhanced Diagnostics: Identify caries, anomalies, and bone loss more confidently with AI assistance.



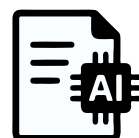
AI-Assisted Accuracy: Ensure precise detection of dental structures, root canals, crowns, fillings, and more with zero guesswork.



AI-Driven Clarity: Experience next-level contrast, sharpness, and definition to differentiate even the finest structures.



Real-Time AI Insights: See diagnostic suggestions instantly—Caries detection, structure identification, and pathology markers pop up live during image acquisition.



AI-Augmented Reporting: Create smart, detailed, and structured reports within seconds—ready to share with patients and specialists.

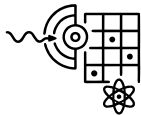


AI-Empowered Results: Make faster and more informed clinical decisions, reduce human error, and improve patient communication

Still the World's First - Still the Best

Xpect Vision remains the first & only intraoral sensor globally to adopt Photon Counting Detection, a technology previously exclusive to clinical CT and high-end medical imaging. This massive upgrade brings AI to the top-tier photon counting framework, offering the most powerful and futuristic imaging solution in modern dentistry.

Technical Brilliance Meets Clinical Intelligence



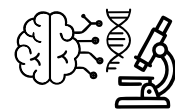
Photon Counting Detection



Clarity You Can Trust



Real-Time Analysis



AI Diagnostics

Xpect Vision Intraoral Sensor – Specifications Comparison		
Speifation	Size 1	Size 1.5
Technology	Photon-Counting Without Scintillator, Direct Conversion	Photon-Counting Without scintillator, Direct Conversion
Dynamic Range	16 bits	16 bits
Actual Resolution	14~16 lp/mm	14~16 lp/mm
Imaging Area	20 × 30 mm ²	25 × 30 mm ²
Dimensions	26.5 × 41.3 mm ²	31.5 × 41.3 mm ²
Thickness	5 mm	6 mm
Imaging Time	3 seconds	3 seconds
Image Format	BMP / DIR / DCM / JPEG / PNG / TIFF	BMP / DIR / DCM / JPEG / PNG / TIFF
Connection	USB 2.0	USB 2.0
Waterproof Rating	IP68	IP68
Cable Length	3 meters (Extendable)	3 meters (Extendable)

Why Choose the Upgraded Xpect Vision Sensor?

1. Dual Power: Photon Counting + Artificial Intelligence

- ✦ Captures X-rays directly - **no conversion to visible light**, eliminating image scatter.
- ✦ **AI overlays** immediately flag anomalies, saving time and boosting confidence.

2. Unmatched Image Quality and Speed

- ✦ **Delivers HD diagnostic images in under 3 seconds**
- ✦ **500,000+ images lifespan** with consistent quality
- ✦ **Zero image degradation** even after years of use

3. Safer for Patients

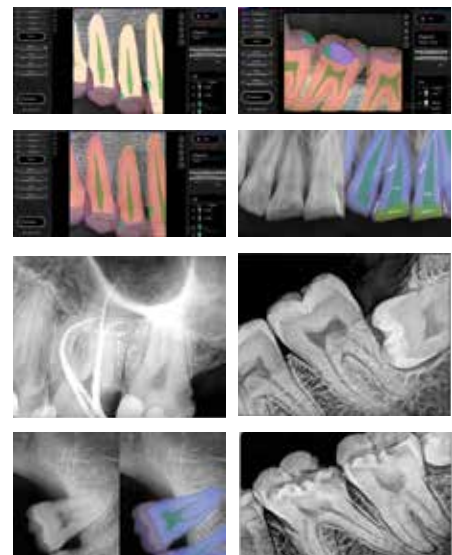
- ✦ Direct detection means **fewer layers and reduced radiation exposure**
- ✦ AI guides your shots-**fewer retakes, faster decisions**

4. Built Tough for Everyday Dentistry

- ✦ **Waterproof & Dustproof (IP68)** for total peace of mind
- ✦ Reinforced cable tested for **100,000+ bending cycles**

5. Future-Proof Software with Smart Features

- ✦ Intuitive, user-friendly interface
- ✦ **Smart AI report generation**, image management, and sharing
- ✦ Designed for easy integration into your clinic's digital workflow



PAPAYA ^{Plus}



The World's First & Only 2-in-1 OPG Unit
Panoramic | Cephalometric |
Semi-Tomography Imaging

PAPAYA ^{Cust} **Slim**



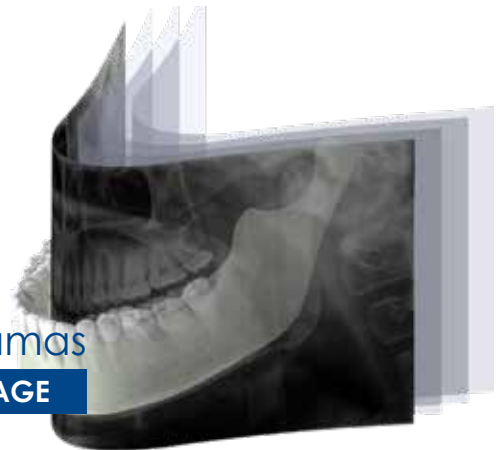
The World's First & Only 2-in-1 OPG Unit
Panoramic | Semi-Tomography Imaging

Multi-Focus Function

Improves Image Analysis & avoids the need of re-exposure.

The Multi-focus function overcomes patient mis-positioning. The user is therefore able to find the most optimally-focused choice from a selection of images.

5 panoramas
OPTIMAL IMAGE



Protection From Unwanted Radiation

Segmental selection 2D scan saves from unwanted radiation.

User Friendly Interface to maximize efficiency



Face-to-face positioning to minimize fear of closed space (claustrophobia)



Multi-role remote with emergency stop switch



9 different jaw shapes
Fit each individual's jaw shape



Voice support system
Machine's operation status is guided by voice support system



Wheelchair accessible



Dental Crop
Provides full mouth IOPA images

Smart & compact design!

Easy & fast installation, can be installed in 4x5 feet space



Fast, HD & Normal Scan Mode



User friendly LED indication



4 different patient selection

PAPAYA Operational Software
















PAPAYA exposure modes are prepared and initiated using clear step by step pictorial software.



20 Different Exposure Modes

Different 2D images for various diagnosis purpose

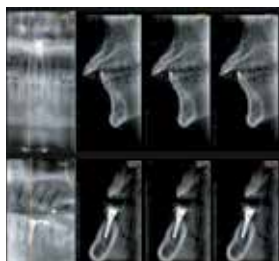
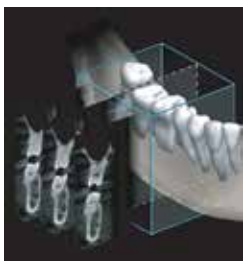


Panoramic	 Standard	 Orthogonal	 Bitewing	TMJ	 Lateral	 PA	 Double Lat-PA
Sinus	 Lateral	 Lateral Mid	 PA	CUST	 Cross Section		
Cephalometric	 Lateral	 AP	 PA	 Water's View	 SMV	 Carpus	

Tomography Imaging

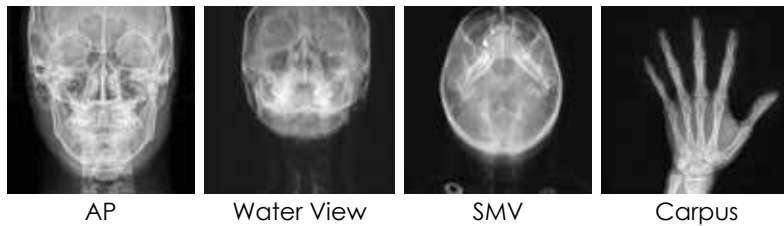
Cubical Semi-Tomography Technology (CUST)

- ✦ Provides cross-sectional information for implant planning
- ✦ Easy to measure bucco-lingual & bucco-palatal bone width
- ✦ Can cross check the implant angle & accuracy post surgery



Cephalometric- 4 seconds scanning

- ✦ Cephalo image in fast mode (4 sec) reduces motion artifacts
- ✦ To optimise result, the sensor automatically positions for each exposure mode
- ✦ Advanced Solution For Orthodontic Diagnosis



CE / EC ISO 13485:2016/ NS-EN ISO 13485:2016

TRIANA

An advanced imaging software to manage all images from all devices. (panoramic, cephalometric, intraoral sensor, CBCT, Intraoral camera and digital camera)

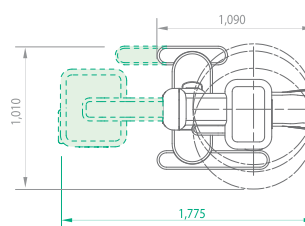
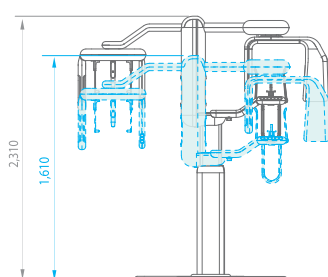
TRIANA	
Image viewing	Zoom, Panning, Comparing, Window leveling
Measurement	Distance, Angle
Annotations	Line, Arrow, Text, Stamp
Implant simulation, DICOM 3.0 compatibility	Storage (DICOM send), film printer, worklist etc
Image enhancement, Printing	Paper, Film printer, WYSWYG
Image import/export	bmp, jpg, gif, png, dcm etc

Technical Specification - PAPAYA	
Exposure Time	4-17 sec
Focal Spot	0.5mm
Target Angle	5°
Sensor Technology	CMOS
Maximum Tube Voltage	90kV
Minimum Tube Voltage	60kV
X-Ray Tube	Canon

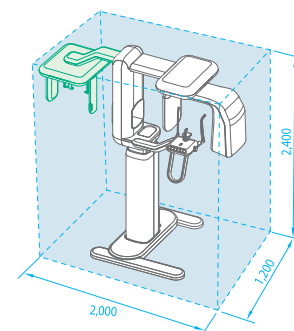
CUST Specification	
X-Ray Beam	Fan Beam
Volumetric Image Size	50X50X103 mm
Number Of Slices	256
Slice Thickness	0.195 mm
Measurement Error	<1 mm

	Sensor	
	PAPAYA	PAPAYA Plus
Pixel Pitch	75x75 µm	75x75 µm
Active Area	152x6.5 mm	228x6.5 mm

Dimensions



1,150(W) x 1,090(D) x 2,317(H) mm
110 kg



FUTURE OF IMAGING

PAPAYA 3D

Combination Imaging System



1 Scan 2 Images | 2 Dedicated Detectors
CBCT | Panoramic | Model Scanning

PAPAYA 3D^{Plus}

4-IN-1 SMART IMAGING SYSTEM



1 Scan 3 Images | 3 Dedicated Detectors
CBCT | Panoramic | Cephalometric |
Model Scanning



Papaya 3D CBCT: Multi-FOV Selection

Multi-F.O.V. selection enables accurate scanning whilst keeping dose levels to a minimum.

φ 4X5

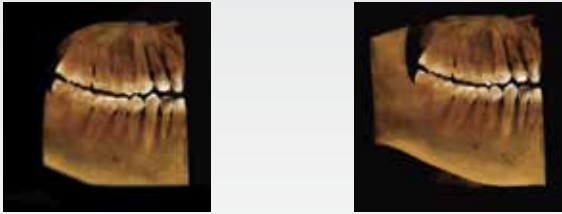


Endo

Endodontic
75 μm

Endo mode shows high definition images

φ 7X7 **φ 8X8**




Teeth

High Resolution | High Definition
100 μm | 150 μm

High contrast images of upper / lower jaw enable accurate diagnosis

φ 16X8




Jaw

Normal Resolution
200 μm

Provides an image of the full arch

φ 16X14




Face

Normal Resolution
200 μm

Full arch including relevant bone areas

φ 24X23*



Skull View

Normal Resolution
400 μm

*Only available in Papaya Premium models

SMARF™

Smart Metal Artifact Reduction Function



Without SMARF



With SMARF

Cephalometric

Advanced Solution For Orthodontic Diagnosis



AP



Water View



SMV



Carpus



PAPAYA 3D Technical Specification

Exposure Time	Panoramic	9 ~ 17 sec
	Cephalometric	4 ~ 7 sec
	CT	7.7/14.5 sec
Voxel Size	75~200 µm	
Focal Spot	0.5mm	
Target Angle	5°	
Tube Voltage	60 ~ 90kV	
Tube Current	4~12 mA	
Gray Scale	14 bit	

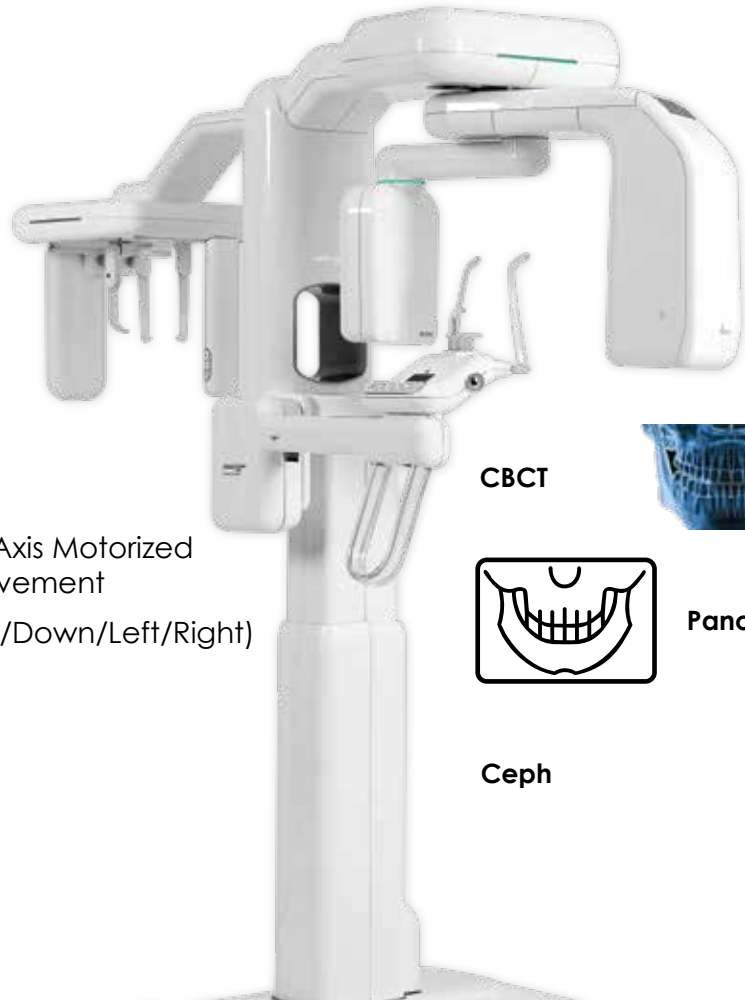
Exposure Time	CT	Panoramic	Cephalometric
Pixel Pitch	100 x 100 µm	75 x 75 µm	75 x 75 µm
Active Area	130.2 x 128 mm	152 x 6.5 mm	228 x 6.5 mm

3 Dedicated Detectors

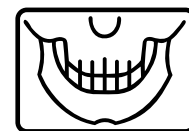
Three dedicated sensors in the Genoray Papaya 3D CBCT reduce wear and tear, enhance redundancy, and lower maintenance costs, ensuring reliable performance and device longevity. Balanced workload across sensors mitigates overheating and prolongs system life, while built-in adaptability facilitates future upgrades, maximizing the long-term value and efficiency of the device for clinicians.



All Axis Motorized Movement
(Up/Down/Left/Right)



CBCT

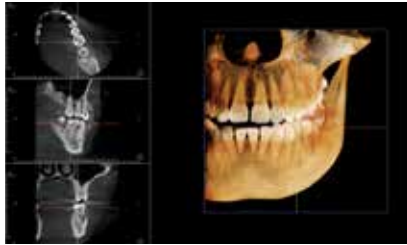


Panoramic

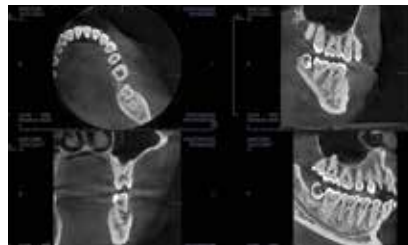
Ceph

In vivo 7

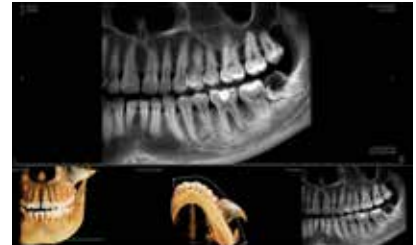
Advanced 3D Imaging Software



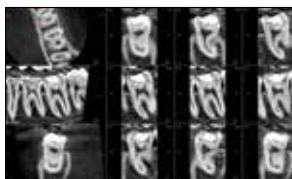
Layout



Section View



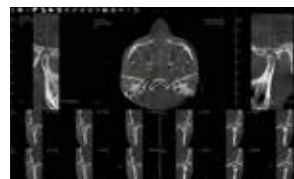
Pano View



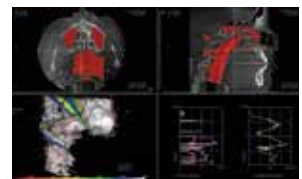
Endo View



Pulp & Endoscopy View



TMJ View



Airway Analysis View



Automated surgical cuts

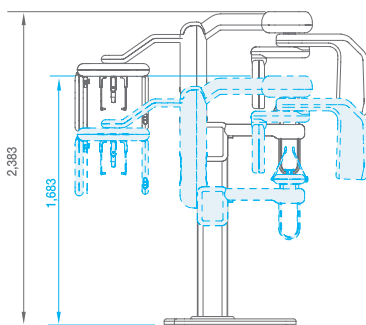


AI-driven Cephalometric Tracing



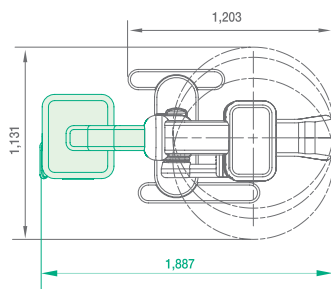
Compatible with 2D Analysis

Dimensions



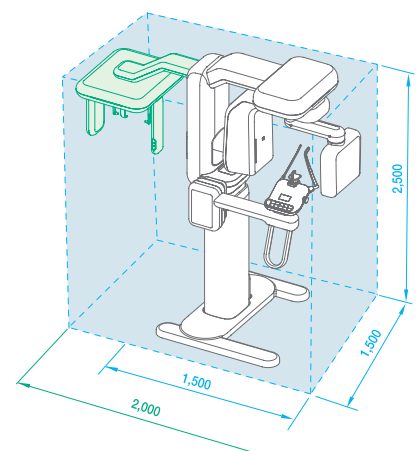
PAPAAYA 3D

1,203(W) x 1,131(D) x 2,383(H) mm
145 kg



PAPAAYA 3D Plus

1,887(W) x 1,131(D) x 2,383(H) mm
160 kg



THE GATEWAY TO

3D IMAGING

Empower Your Practice

DIGITAL IMAGING SOLUTION WITH HD CMOS SENSOR

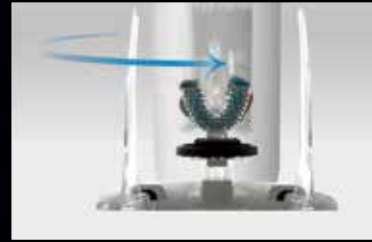
Experience precise imaging of dental and facial structures with RAYSCAN a 3D. Our equipment is equipped with essential features to achieve personalized treatment plans and aesthetic results while prioritizing patient comfort and safety. Our technology ensures thorough scans with minimal radiation exposure, helping doctors enhance patient care and transform smiles



CBCT



Panoramic



Model Scan

Optimal FOV size for 3D Diagnosis

FOV **10×10**_{max.}

Predefined FOV

Implantology, Endodontics,
Orthodontics and single TMJ

High Resolution

100µm 160µm

FOV 9x5 FOV 10x10

Accurate results instill confidence
in your diagnosis

Rapid Reconstruction

2-20sec

Fast Scan & HD Scan

Ability to quickly review CT
images & dramatically cut down
on chair time



RAYSCAN α^{3D}

HD CMOS SENSOR



red dot design award
winner 2012

Predefined FOV options offer convenient usability

RAYSCAN a 3D allows for comprehensive clinical perspectives, enabling confident diagnoses and treatment plans, by providing optimal FOV size and resolution essential for dental treatment.

HD-Resolution: Endo View & Jaw

FOV 9×5cm	FOV (cm)	Voxel Size
100 μm	10x10 (Jaw)	160 μm
	9x5 (Endo)	100 μm



Optimal FOV size for 3D diagnosis

RAYSCAN a 3D is designed to offer a 10×10 FOV for effective dental diagnosis.



10 diameter



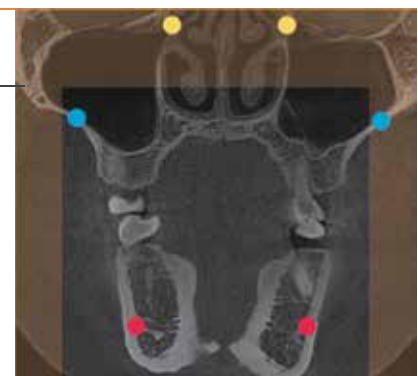
10 height

- Full dentition
- 3rd molar
- RAYSCAN a 3D area

10 Diameter

The diameter of the FOV can extend to 10cm, allowing for examination of the entire dentition, third molars, and a single TMJ, ensuring an optimal FOV size.

10 height
8 height



For Implantology & Orthodontics

10 Height

The field of view (FOV) can extend vertically to 10cm, enabling simultaneous examination of the inferior alveolar nerve, complete dentition, maxillary sinus, sinus artery, and ostium. This capability proves advantageous not only for maxillary and mandibular implant treatment planning but also as a valuable feature for implant surgical guide planning. Moreover, in orthodontic treatments, it facilitates the comprehensive assessment of deeply impacted teeth and supernumerary teeth in a single scan.

- ✦ Implant surgery plan and surgical guide
- ✦ 3rd molar extraction
- ✦ Orthodontic treatment plan
- ✦ Complex impactions
- ✦ Single TMJ analysis

- Competition
- RAYSCAN a 3D scan area
- Ostium
- Sinus artery
- Mandibular nerve canal

Clear Panorama

RAYSCAN a 3D provides rapid and precise image reconstruction, enabling clinicians to examine CT scans in just 20 seconds. This leads to reduced wait times for patients and expedited treatment planning processes.



State of the art technology for high-Def. Image quality

Optional Ceph Modality

Option for either one-shot ceph sensors or direct conversion scan ceph attachment. One-shot ceph captures images in 0.8 seconds, reducing patient radiation exposure and minimizing distortion, while the direct conversion attachment ensures high-resolution scans.



Direct Conversion
Scan Ceph



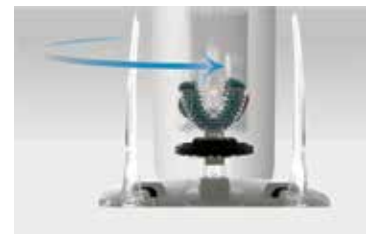
One-shot
Ceph Standard



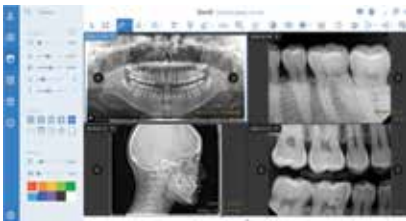
One-shot
Ceph Large

Impression Scan

RAYSCAN a 3D uses advanced 3D scanning technology to capture data from physical impressions and gypsum models, which is then utilized to generate the required STL file for CAD/CAM applications



2D Imaging Software - SMARTDent



- ✦ Integrated dental image management
- ✦ Implant & canal draw simulation
- ✦ Simple and powerful search(id, name, date, modality)
- ✦ 16 bits full imaging system with DICOM 3.0
- ✦ Supports TWAIN-compliant input devices
- ✦ Convenient layout

ONDEMAND3D - 3D Imaging Software

The beginning of your complete 3D Dental imaging solution OnDemand3D



Planning Implant Placement

Implant surgery is one of the most complex and sophisticated areas. Through OnDemand3D, you can analyze the patient's oral cavity in detail, place the implant in the right location, and perform a virtual operation.



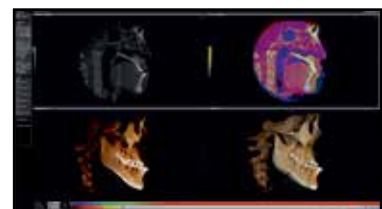
Analysis Report



Orthodontics-Auto Ceph Tracing



Airway Measurement



Comparative Analysis

OPG COMPARISON

Feature	Genoray Papaya Slim	Vatech Pax-I	Carestream CS 8100	Myray X5	Why Genoray Papaya Wins
Panoramic Imaging	High-res CMOS with multi-focus	Standard HD sensor	CMOS with CS Adapt enhanced sharpness	Clear 2D programs	Superior multi-focus image clarity
Cephalometric Imaging	Yes (4 sec, auto positioning)	Yes (Lateral + PA)	Yes (basic add-on)	Yes (optional)	Fastest ceph with auto alignment
Multi-Focus Layers	Yes	No	No	No	Avoids re-scans due to misalignment
Radiation Safety	Segmental scan options	Basic region select	Dose-reduction modes	Pediatric, TMJ scan	Best patient radiation protection
Scan Modes	20+ (Pano, TMJ, Sinus, Bitewing)	Fewer modes	Limited	15 scan modes	Most comprehensive exposure choices
Special TMJ view	Lateral-PA Combine	Not available	Not available	Not available	single film with both unilateral view
Smart Ceph	Available	No	No	No	Get profile idea without Ceph arm
User Interface	Pictorial + LED guidance	Touchscreen	Touchscreen	Button + graphical	Most intuitive with visual cues
Scan Time	4–17 seconds adjustable	10–15 sec	~10 sec	5–12 sec	Widest scan range with flexibility
Sensor Tech	75µm pixel CMOS	CMOS	Adaptive CMOS	CMOS	High-pixel, advanced output
Compact Design	Ultra-compact, Self standing	wall mount	wall mount	Wall-mounted	Smartest, space-saving design
Patient Positioning	Face-to-face + 9 jaw shapes	Face to face	Face to face	Basic frontal	No anxiety and fear of closed space to patient
Tomography (2D)	Yes (CUST feature)	No	No	No	can measure Bone width bucco-lingual/palatal
Software	TRIANA with simulation tools	EzDent-i	CS Imaging	iRYS Viewer	TRIANA's full-suite integration
Voice & LED	Yes	Not available	Not available	No	Better command and handling
Jaw Adaptability	9 shape presets	Not specified	Limited	Fixed	Best jaw adaptability
Wheelchair Access	Yes	Limited	Yes (optional)	Limited	Fully accessible design

CBCT COMPARISON

Feature	Genoray Papaya 3D Plus	Vatech Pax-i 3D Smart	Vatech A9	Carestream CS 9600	Myray Hyperion X5 3D	Why Genoray Papaya 3D Plus Wins
FOV (Field of view)	4x5 to 16x14 cm (Endo to Full face)	5x5 to 12x9 cm	8x8 cm (very limited)	4x4 to 16x17 cm	Up to 10x10 cm	Widest FOV range (4x5 to 16x14 cm) for any clinical need
Voxel Size (Resolution)	75 (Endo)-200 µm (Face)	120-300 µm	200-300 µm	75 -300 µm	80 - 250 µm	Only system with 75 µm Endo + 200 µm Skull view range
Scan Time	7.7 to 24 sec (Ultra Fast & HD)	15-24 sec	15.5 sec	10-30 sec	12-22 sec	Fastest scan in 7.7 sec (CBCT) & 4 sec (Ceph)
Cephalometric Option	Fast Ceph Scan in 4 sec	Yes	Optional Ceph	Yes	Yes (Optional)	Dedicated Ceph sensor = superior clarity & speed
Imaging Modes (2D/3D)	3-in-1: CBCT + Panoramic + Ceph	2-in-1: CBCT + Panoramic	2-in-1: CBCT + Panoramic	3-in-1: CBCT + Panoramic + Ceph	3-in-1: CBCT + Panoramic + Ceph	True 3-in-1 with fastest switching & automation
Sensor Type	3 Dedicated CMOS Sensors	2 CMOS Sensor	1 CMOS Sensor	2 CMOS Sensors	1 CMOS Sensor	3 dedicated sensors = high lifetime & quality
Software Platform	Invivo 7 Software with STL, Endo, Ortho, TMJ, Cast/Impression Scan	Ez3D-i with basic planning tools	Ez3D-i with EzDent-i viewer	CS Imaging + Studio Tools	iRYS Viewer with limited tools	Only software with STL, cast, impression, TMJ, Endo, Ortho
AI/Smart Features	Yes - Auto positioning, SMARF, voice assist	no cast/ impression scan	Limited to panoramic reconstruction	Yes, Smart Positioning, Facial Scan (Premium)	Not Available	AI + SMARF + voice + STL + jaw presets = unmatched Accuracy
Scan Modes	Normal, Fast, HD, HR (Endo/ Implant/Full Arch)	Limited scan presets	Standard & HD Scan Modes	Multiple protocols, auto collimation	Basic scan presets	Multiple modes optimized for all specialties
Implant Planning & STL Export	Yes, One-click STL export for lab use	Intermediate implant module	Implant planning with basic STL export	Yes, STL and CAD compatible	Basic STL	Auto STL + impression & cast scan = digital dentistry ready
Endo & High-Res Scan Capabilities	Yes, 75 µm for Endo, hairline cracks, pulp stones	120µm endo resolution	No endo mode	Yes, have 75 µm Endo evaluation	Moderate detail	Best in-class 75 µm endo mode for canal/fissure/ cracks
TMJ & Airway Tools	Yes, Built-in airway + TMJ with multi-view options	Basic airway, TMJ view	TMJ & Airway analysis can not be performed with limited fov of 8x8	Yes, AI Airway & TMJ Studio	TMJ view	Built-in multi-angle views for airway, TMJ & Ortho
Patient Positioning	Face-to-face, 3 laser guides, 9 jaw shapes	Basic headrest & laser guide	Chin rest + head support + laser positioning	Facial recognition & laser guide	Laser guide, frontal position	Most ergonomic with face-to-face & auto chin rest
Radiation Safety Features	ALARA, segmental exposure, child mode	Child mode, automatic dose control	Standard presets only	Smart dose modulation	Pediatric mode, basic filter	Smart exposure + ALARA + segmental safety system
Compactness & Installation	Self-standing, sealed base, plug & play	Wall-mount, medium footprint	Mid-sized wall-mounted unit	Large floor-standing unit	Compact wall-mounted	Clinic-friendly, sealed base, no drilling, compact

Soft Tissue Diode Laser The Premier & Most Complete Diode Laser

epicX

Power & Versatility in a Small, Portable Package

940 nm is a superior diode wavelength

- ✦ Faster treatment and healing
- ✦ Clinical versatility for complete patient care
- ✦ Portable for easy transport
- ✦ ComfortPulse™ modes for the ultimate patient comfort

Intelligent Procedure -

Designed to Maximize Efficiency

- ✦ Easy touch-screen interface and pre-sets to shorten your learning curve
- ✦ Most common and productive procedures already programmed
- ✦ Totally wireless laser for easy portability between operatories

EPIC X Technical Specifications	
Laser Classification	IV
Medium	InGaAsP Semi-conductor diode
Wavelength	940 ± 10nm
Max Output Power	10 W
Pulse Repetition Rate	upto 20 KHz
Pulse Duration Rate	0.01 ms - 20 ms
Pulse Interval	0.04 ms - 20 ms
Power Modes	Continuous, Pulse Modulation
Aiming Beam	Laser Diode, max 1mW, 635nm
Fiber Tips Diameter	200 µm, 300 µm, 400 µm
Dimensions	5.7in (W) x 4.47in (H) x 6.5in (L) (14.5cm x 11.2cm x 16.5cm)
Weight	2.5lb (1kg)



Surgery, Pain Relief & Whitening At Your Fingertips



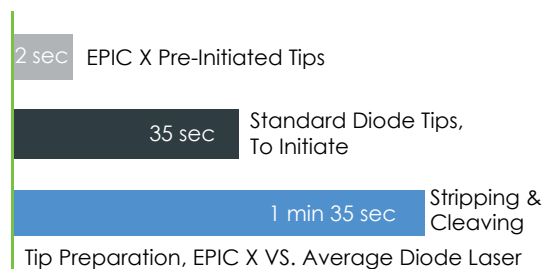
Create Bright Smiles

EPIC X offers the fastest in-office whitening procedure available, with dramatic shade change in 20 minutes of chair time.

Provide Pain Relief

Treat TMJ & other myofascial disorder with patented handpiece attachment to simplify the procedures.

Maximum Performance, Minimum Chair Time



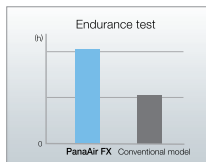
Dental Handpiece & Micromotor



HANDPIECES PanaAir FX (Push Button)

Model: PAF-SU B2 - High-Speed Air Turbine Handpiece

The NSK Pana Air PAF-SU B2 is a precision-engineered, high-speed air turbine handpiece designed for dentists who demand performance, reliability, and patient comfort. With a powerful 20-watt motor and ergonomic design, this handpiece ensures smooth, fast, and precise dental procedures across a range of clinical environments. Whether you're handling routine cleanings or complex restorative work, the PAF-SU B2 delivers unmatched efficiency and control in your practice.



Exceptional Longevity



Push Button Chuck



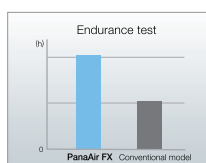
30% Power Boost

- ✦ Stainless Steel Body
- ✦ Ceramic Bearing
- ✦ Clean Head System
- ✦ Rotation Speed: 350,000-450,000 min⁻¹
- ✦ Push Button type, Non-Optic, 2 hole
- ✦ Standard Head: Power 20 watts
- ✦ Air Pressure Regulating Valve
- ✦ Compatible Bur Size: ISO 1797-1 Ø1.59 – 1.60 mm
- ✦ Max Bur Length: 21 mm
- ✦ Drive Air Pressure; 0.20 – 0.25 MPa (2.0 – 2.5 kgf/cm²)
- ✦ Water Pressure: 0.05 – 0.20 MPa (0.5 – 2.0 kgf/cm²)
- ✦ Autoclave upto 135°C
- ✦ Thermo disinfectable: Yes

PanaAir FX (Wrench Type)

Model PAF-S B2 - High-Speed Air Turbine Handpiece

The NSK Pana Air PAF-S B2 sets a new benchmark in dental turbine performance with its 30% power boost, slim stainless-steel body, and enhanced durability. Engineered with advanced air turbine simulation technology and a robust stainless-steel construction, it delivers consistent torque, smoother control, and precise results—making it a trusted tool in high-demand dental clinics across the globe. With features like an air pressure regulating valve and easy-to-change cartridges, the PAF-S B2 is not just powerful—it's purpose-built for modern clinical workflows.



Exceptional Longevity



Wrench Type



30% Power Boost

- ✦ Stainless Steel Body
- ✦ Ceramic Bearings
- ✦ Clean Head System
- ✦ Air Pressure Regulating Valve
- ✦ Rotation Speed: 350,000 – 450,000 min⁻¹
- ✦ Standard Head Power: 17 watts, 2 Hole
- ✦ Wrench Type Chuck
- ✦ Chucking Length: 10.2 mm
- ✦ Compatible Bur Size: ISO 1797-1 Ø1.59 – 1.60 mm
- ✦ Max Bur Length: 21 mm
- ✦ Drive Air Pressure; 0.20 – 0.25 MPa (2.0 – 2.5 kgf/cm²)
- ✦ Water Pressure: 0.05 – 0.20 MPa (0.5 – 2.0 kgf/cm²)
- ✦ Autoclave Sterilization: Up to 135°C
- ✦ Thermo disinfectable: Yes

HANDPIECES

FX Series

A new legend begins

External Water Spray Non-Optic
General Applications Handpiece



Model: FX22 1:1



1:1 Reduction

- ✦ For CA burs ($\varnothing 2.35$)
- ✦ Latch type
- ✦ Max Speed : 30,000 min⁻¹

Model: FX25 1:1



1:1 Direct Drive

- ✦ For CA burs ($\varnothing 2.35$)
- ✦ Push Button Chuck
- ✦ Clean Head System
- ✦ Ball Bearing
- ✦ Max Speed : 40,000 min⁻¹

Model: FX65 1:1 Straight Handpiece



1:1 Direct Drive

- ✦ For HP burs ($\varnothing 2.35$)
- ✦ Clean Head System
- ✦ Max Speed : 40,000 min⁻¹

S-Max M

Incomparable Powerful Cutting and Superb Grip

The S-Max M series contra-angles have dramatically improved durability, and feature an updated internal body design and chuck mechanism. They are NSK's next-generation standard - a marriage of ergonomic sophistication and smooth cutting feel.

- ✦ Stainless Steel Body
- ✦ Cellular Glass Optics
- ✦ Clean Head System
- ✦ Push Button Chuck (Exclude M65)



M95L: 1:5 Increasing

- ✦ Quattro Spray
- ✦ For FG burs (ø1.6)
- ✦ Ceramic Bearing
- ✦ Anti Heat System
- ✦ Max Speed: 200,000 min⁻¹



M25L: 1:1 Direct Drive

- ✦ Single Spray
- ✦ For CA burs (ø2.35)
- ✦ Max Speed: 40,000 min⁻¹

Straight Handpiece



M65: 1:1 Direct Drive

- ✦ Single Spray
- ✦ For HP burs (ø2.35)
- ✦ For CA burs (ø2.35)*
- ✦ Max Speed: 40,000 min⁻¹

*Need to insert the supplied bur stopper

DynaLED

Self Illuminating LED



Optic - NSK LED



Non Optic



- ✦ Connect to any standard air tubing coupling with any dental chair
- ✦ No need of a circuit board, tubings & bulbs
- ✦ High intensity & stable self LED illumination through the mini power generator
- ✦ Cellular glass optic - pure daylight quality illumination
- ✦ Stainless steel: durable, stable & light weight
- ✦ Miniature Head M500LG (380,000 - 450,000 RPM) Head Size: ø10.6 x H12.4mm, 25,000 LUX
- ✦ Standard Head M600LG (330,000 - 430,000 RPM) Head Size: ø12.1 x H13.3mm, 25,000 LUX
- ✦ Clean head system
- ✦ Push-button chuck
- ✦ Quattro Spray

HANDPIECES FX PLUS with ARV

30W Power for faster cutting



Anti-Retraction Valve (ARV)



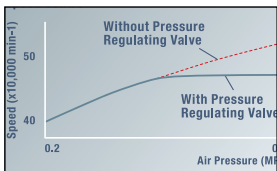
Prevents the reverse flow of debris into the handpiece thus avoiding cross-contamination.

60% Power Boost



60% Power Boost-FX Plus is dramatically more powerful with its newly designed scoop-type rotor than a normal handpiece.

Air Pressure Regulating Valve



For maintenance of a stable pressure supply to the rotor

Quattro Spray



The NSK Quattro Water Spray effectively cools the entire operating field and prevents damage to living tissue

Ceramic Bearings



Ceramic Bearings are 25% harder than conventional steel bearings. Because of less friction, the heat production & vibration are significantly reduced which increases its efficiency & durability.

Clean Head System



Anti suck back mechanism to prevent cross- contamination.

Tornado High Speed Standard Head



- ✦ Speed 3,50,000 - 4,30,000 RPM
- ✦ Light weight
- ✦ Balanced performance
- ✦ Reliable speed and torque
- ✦ Good for general dentistry
- ✦ Smooth bur rotation
- ✦ Ergonomic design
- ✦ Autoclavable upto 134°C

Tornado High Speed Mini Head

- ✦ Speed 3,50,000 - 4,30,000 RPM
- ✦ Light weight
- ✦ Compact head for posterior access
- ✦ High-speed precision
- ✦ Light weight for reduced fatigue
- ✦ Ideal for pediatric and minimal access procedures
- ✦ Autoclavable upto 134°C
- ✦ Low noise and vibration



Tornado High Speed Super Torque Push Button



- ✦ Speed 3,50,000 - 4,30,000 RPM
- ✦ Light weight
- ✦ High torque for heavy-duty cutting
- ✦ Push-button bur release system
- ✦ Durable build
- ✦ Anti-slip grip
- ✦ Smooth, vibration-free operation
- ✦ Autoclavable upto 134°C

Tornado Low Speed Micro Motor Straight Handpiece



- ✦ Speed 35,000 - 40,000 RPM
- ✦ Light weight
- ✦ Designed for lab or extraoral procedures
- ✦ Straight body design
- ✦ Light weight and easy to control
- ✦ Stable rotation
- ✦ Durable build
- ✦ Autoclavable upto 134°C

Tornado Low Speed Micro Motor Contra Handpiece

- ✦ Speed 35,000 - 40,000 RPM
- ✦ Light weight
- ✦ Angled head for intraoral access
- ✦ Ergonomic shape
- ✦ Excellent torque delivery
- ✦ Smooth handling
- ✦ Compatible with standard micromotors
- ✦ Autoclavable upto 134°C



Tornado Air Motor



- ✦ Speed 35,000 - 40,000 RPM
- ✦ Light weight
- ✦ Provides drive for low-speed attachments
- ✦ Light weight and durable
- ✦ Consistent torque
- ✦ Smooth operation
- ✦ Autoclavable upto 134°C

Contra Angle Latch Type Handpiece



ORDER: CEN-21C

CE: 1024-B2

- ✦ Premium Quality Handpiece
- ✦ Ergonomic design for a comfortable grip
- ✦ Max speed: 40,000 rpm
- ✦ Warranty 6 months

Contra Angle Surgical Fiber Optic Red Ring HP 1:5

CE: 1024L-M4

- ✦ More stable with less noise
- ✦ Powerful cutting force, greatly shorten the treatment time
- ✦ Fiber optic ensures clear vision
- ✦ 1:5 Increasing Gear Ratio
- ✦ Internal irrigation for efficient and precise cooling
- ✦ Maximum speed of 200,000 min⁻¹
- ✦ Warranty 12 months



Implant Handpiece 20:1



ORDER: R20N-04C (201N)

CE: 3203CH

- ✦ Fatigue-free working thanks to optimal ergonomics
- ✦ Durable and robust
- ✦ 20:1 Reduction Gear Ratio
- ✦ External irrigation
- ✦ Warranty: 12 months

ORDER: R20L-01C(201L)

CE: 3201CH

Max Torque: 70N.cm

- ✦ Longer life compared to conventional LED bulbs
- ✦ Fatigue-free working thanks to optimal ergonomics
- ✦ Durable and robust
- ✦ 20:1 Reduction Gear Ratio
- ✦ External irrigation
- ✦ Warranty: 12 months

Implant Fiber Optic Handpiece 20:1



MICROMOTOR

NLZE

The SMART Electric Brushless Micromotor

THE COMPACT MAKES A BIG CHANGE

- ✦ Torque adjustment in Endo Mode with reciprocation Function
- ✦ Auto-reverse function
- ✦ Flexible Installation Style with Superior Visibility & Operability
- ✦ NSK Safety Functions - 'Contra-Check & Contra-Safe'

FOR SAFER CROWN CUTTING



MORE EFFICIENT ENDODONTIC TREATMENT



NLZ Endo (6:1) Reduction Reciprocating handpiece with more efficient Endodontic treatment



NSK S-Max M95 / 95 L 1:5 Electric Hand piece system

- ✦ 1:5 increasing red ring headpiece
- ✦ Quattro water spray
- ✦ Clean head system for reduced cross-contamination
- ✦ Available in optic & non-optic model
- ✦ Max. speed : 2,00,000 RPM
- ✦ Push-button chuck
- ✦ The *Reciprocating Endo Mode" can be operated with the NLZ Endo Contra-Angle handpiece & WAVE-ONE File



NLX nano (Brushless Micromotor)

A new generation of brushless micromotor as well balanced as an air turbine

- ✦ Wider clinical applications - Surgical & General
- ✦ The micromotor is more than 25% shorter and 20% lighter
- ✦ Brushless Micromotor enhances the functionality with reduced heat generation, less noise and less vibration.
- ✦ Less Aerosol production
- ✦ 32,000 LUX LED illumination for natural daylight visibility
- ✦ Non-retraction valve to prevents cross contamination through water
- ✦ Compatible contra-angle 1:5 increasing gear handpiece (Red Ring)



MICROMOTOR

Reliable Power. Precise Control. Everyday Performance

Designed to deliver stable performance, precise control, and long-term reliability in daily clinical procedures. Powered by advanced brushless DC motor technology, it ensures smooth torque delivery, low noise operation, and enhanced durability — making it ideal for consistent chairside efficiency.



Ideal For

General Dentistry | Prosthodontics |
Endodontics | Clinical & Laboratory Use

CHAIR IN-BUILT
Brushless Electric Micromotor



Brushless Motor
Stable output & long lifespan



Internal Water Spray
Efficient cooling



Forward / Reverse
Flexible clinical operation



Built-in Type
Easy integration into dental units

Engineered for Daily Clinic Excellence

Specification	
Control System	300-40,000 rpm
Display Type	6.2 Ncm
Rotation Direction	5Ncm-80Ncm
Speed Control	110ml/min
Memory Function	276mm X 267mm X 10mm
Safety Feature	23.4mm X L91mm
Cooling System	140g
Handpiece Interface	110ml/min
Noise Level	AC 220V 50/60Hz
Vibration	Low Vibration
Operating Mode	Continuous
Compatibility	E-Type Standard Handpieces

MICROMOTOR

ÉLEC 2mini
Clinical Electric Micromotor



Tooth Prep



Dental Prosthesis Removal



Margin of the Prosthesis



Other Operations

- ✦ World's Smallest & Most Powerful Electric Motor
- ✦ Max 200,000 RPM (1:5 Gear Ratio) & 3Ncm Torque
- ✦ Memory Function
- ✦ Powerful Optic Motor - 25,000~33,000 LUX
- ✦ Easy installation

Controller

- ✦ Power Consumption 105 VA(Max.)
- ✦ Speed Range: 1,000 ~ 40,000 rpm
- ✦ Gear Ratio: 1:5, 1:1, 16:1, 20:1
- ✦ Program: 3

Micromotor

- ✦ Model: ELM-B40S
- ✦ Max. Speed of Motor: 40,000rpm
- ✦ Max. Torque: 3Ncm
- ✦ Max. Current: 5A
- ✦ Dimension: Ø20 x L63mm
- ✦ Weight: 68g
- ✦ LED: Fiber optic
- ✦ Internal Water Irrigation



Inbuilt Option
Also Available



Straight
Handpiece



Contra
Handpiece

MICROMOTOR

**UNICORN
DenMart**®
Behind The Best Indian Dentists

SAESHIN

Clinical Micromotor

- ✦ Speed upto 35,000 RPM
- ✦ One spare carbon brush set
- ✦ Low heat generation suitable for long use



CE / EC ISO 13485:2016

Clinical Micromotor Control Box

- ✦ 0-35,000 RPM
- ✦ Forward & Reverse direction selection
- ✦ Hand & Foot Operation
- ✦ Extra torque for smooth working



SAESHIN

Lab Micromotor

- ✦ Speed upto 40,000 RPM
- ✦ One spare carbon brush set
- ✦ Low heat generation suitable for long use



CE / EC ISO 13485:2016

Lab Micromotor Control Box

- ✦ 0-40,000 RPM
- ✦ Forward & Reverse direction selection
- ✦ Hand & Foot Operation
- ✦ Extra torque for smooth working



CE / EC ISO 13485:2016

LUBRIMAX 5 PRO

Multinozzle Lubrication Spray Adaptor

- ✦ **Universal Compatibility:** Adapts to various dental handpiece types and oil bottle sizes.
- ✦ **Multiple Nozzle Design:** Accommodates simultaneous lubrication of multiple handpieces.
- ✦ **Adjustable Flow Control:** Regulates oil flow to prevent over- or under-lubrication.
- ✦ **Easy Cleaning and Maintenance:** Dishwasher-safe or quick-disassembly design.
- ✦ **Space-Saving and Portable:** Compact design for convenient storage and transportation.



HI-CLEAN OIL SPRAY

Hi-Clean is a specially formulated, highly effective general handpiece & air motor lubricant. Frequent application of Oil Spray will assure handpiece & air motor performance & durability. Apply Oil Spray every time before autoclaving any handpiece / air motor

- ✦ Advanced lubricating cleaning agent
- ✦ CE & ISO certified
- ✦ FDA Approved
- ✦ Suitable for different dental handpieces & Air motors
- ✦ Safe for Autoclaving
- ✦ High Wear & Tear Prevention to mechanical parts
- ✦ Different Nozzles available for various handpieces
- ✦ Bottle Volume: 550ml



TPC Handpiece Lubricating Unit

- ✦ **Shell Lubrication Oil Integration:** Experience enhanced performance with the integration of Shell lubrication oil, ensuring smooth operation and longevity of your equipment.
- ✦ **Perfect Maintenance:** Instruments that are well-maintained last longer, reducing the need for frequent replacements.
- ✦ **Essential Functionality:** Ensures the long working life of dental handpieces, a crucial tool in dental procedures.
- ✦ **Automatic Rotational Lubrication:** This feature ensures optimum distribution of lubrication, covering all parts of the instrument.
- ✦ **Enhanced Diagnostics:** Provides clear and detailed views, enabling accurate diagnosis of oral conditions.
- ✦ **Trust and Communication:** Builds trust and rapport between dentists and patients through real-time visual explanations.



With 1 Ltr. 
Lubrication Oil Bottle

ENDODONTIC EQUIPMENT

Endodontics has never been so EASY...!!

ENDO-MATE DT WITH 20:1 HEAD

DESK TYPE ENDO MOTOR WITH TORQUE CONTROL AND AUTO REVERSE

- ✦ 6 head angles for ease of treatment
- ✦ Push type ultra-miniature head
- ✦ Speed range: 100-13,000 rpm (With 20:1, 4:1, 1:1, 16:1 geared heads)
- ✦ Torque level up to 7 Ncm (when using 20:1 handpiece)
- ✦ No. of program: 9
- ✦ Battery / AC operated
- ✦ Optional foot control



CE / EC EN ISO 13485:2016 / ISO 9001:2015

ENDO-MATE TC2

CORDLESS ENDODONTIC HANDPIECE WITH TORQUE CONTROL & AUTO REVERSE



- ✦ Cordless Endomotor with non-contact type charger
- ✦ Auto-reverse function
- ✦ Mini head and slim neck for better accessibility
- ✦ Alarm function alerts as per the pre-set torque value
- ✦ Max. Torque: 4 Ncm (when using 20:1 head)
- ✦ Speed range: 100-2,250 rpm (With 20:1, 16:1, 10:1, 4:1 gear heads)
- ✦ Charge/continuous use: 90 min/1.2h
- ✦ No. of program: 5



ENDO RADAR PRO

Brushless Endomotor with integrated Apex Locator

- ✦ Improved Brushless Endomotor with integrated Apex Locator
- ✦ The two-in-one function allows root canal preparation with simultaneous length determination
- ✦ Ultra-compact cordless handpiece with super-mini contra-angle
- ✦ 360° rotatable contra angle with apex action
- ✦ Wireless charging of the handpiece with large capacity battery
- ✦ Speed range: 100 - 2500 rpm
- ✦ Torque Range: 0.4 - 5.0 Ncm
- ✦ 6:1 gear ratio handpiece with 11 user-defined modes



Circumference reduced by 7mm

Wireless charging for longer endurance



ATR mode: After the preset torque is reached, the file will reciprocate according to the set angle

ENDODONTIC EQUIPMENT

EndoNova

Brushless Endomotor With OGP Mode

Lighter | Smarter | Quieter

The COXO EndoNova Endomotor is a compact, lightweight, and high-precision device for efficient root canal procedures. It features a super-mini contra-angle, intelligent control, adjustable torque, and multiple modes like reciprocation and OGP—ensuring smooth, quiet, and accurate performance for modern dental use.



- ✦ Super-mini contra angle: Easily reaches every treatment area
- ✦ 5 Programs: P1~P3: Memory Program | P4: Reciprocation Program | P5: OGP Program
- ✦ Lighter and Quieter: Reduces hand fatigue & improves focus while treatment
- ✦ The maximum speed can reach to 1000 rpm
- ✦ OGP Mode - Safer & more convenient

EndoNova-X

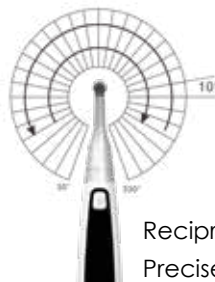
Brushless Endomotor with Apex Locator

Powerful Performance | Multi-Function Accurate Operation

The Coxo EndoNova X Endomotor is a high-performance wireless endo motor with an integrated apex locator for precise root canal procedures. It features a brushless motor for stable, low-noise operation, adjustable torque, multiple modes, and an ergonomic design—ensuring efficient, safe, and versatile endodontic performance.



- ✦ Precision Performance & Control
- ✦ Integrated Apex Intelligence
- ✦ Advanced Endodontic Functionality
- ✦ Ergonomic & Clinical Efficiency
- ✦ Reliable Power & Durability
- ✦ Advanced Endodontic Functionality
- ✦ Ergonomic & Clinical Efficiency
- ✦ Reliable Power & Durability



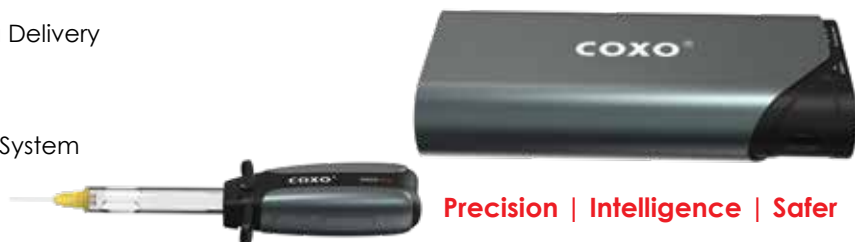
Reciprocating Mode with Precisely Adjustable Angles

GENI Pro (Dental Anesthesia Booster)

Smarter Anesthesia. Safer Practice

The COXO GENI Pro Dental Anesthesia Booster is a precision-controlled system for smooth, accurate, and nearly pain-free anesthesia delivery. With intelligent pressure feedback, multiple modes, and an ergonomic design, it enhances patient comfort and clinical efficiency.

- ✦ Precision-Controlled Anesthesia Delivery
- ✦ Dual Holding Flexibility
- ✦ Three Smart Injection Modes
- ✦ Advanced Safety & Feedback System
- ✦ Enhanced Patient Experience
- ✦ Integrated Charging & Storage

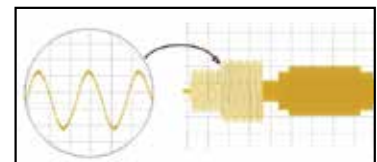
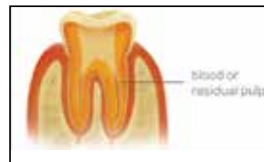


Precision | Intelligence | Safer

DPEX V

Woodpecker Apex Locator, with more than accurate value to help you in working length determination during root canal treatment.

- ✦ 6th generation apex locator for measurement in presence of blood, pus, residual pulp or saliva etc.
- ✦ 97.71% accurate than the conventional radiography method
- ✦ Multi-frequency impedance technology precisely measure irrespective of the tooth type
- ✦ File clip, hook, file probe can be easily Autoclavable to avoid cross-contamination
- ✦ Display: Multi-color 4.5" LCD display
- ✦ Main unit weight: 385gm
- ✦ Dimensions: 138mm x 77mm x 107mm

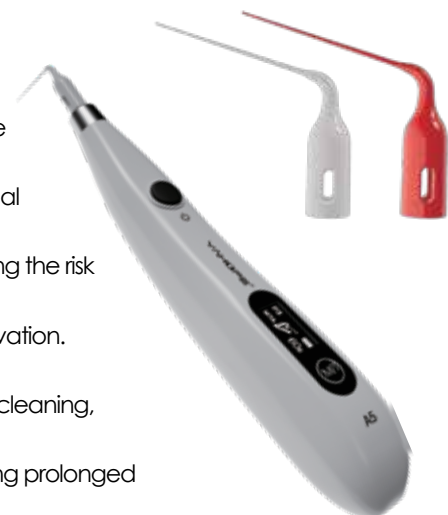


CE / EC ISO 13485:2016



A5 Endo Activator

- ✦ Sonic activation technology helps energize irrigating solutions for improved canal cleaning and disinfection.
- ✦ Supports sealer delivery for more uniform flow and void-free filling in bio-ceramic procedures.
- ✦ Cordless pen-style design offers better handling, mobility, and ease of use during treatment.
- ✦ Advanced sonic motor delivers stable working power for consistent clinical performance.
- ✦ Flexible polymer tips allow better access into curved canals while reducing the risk of cutting dentin.
- ✦ Non-cutting tip design makes the device suitable for safe intracanal activation.
- ✦ Reusable activator tips can be autoclaved and reused up to 10 times.
- ✦ Multiple operating modes support different clinical indications, including cleaning, disinfection, and sealer delivery.
- ✦ Lightweight construction at only 85 g helps reduce operator fatigue during prolonged use.
- ✦ Rechargeable lithium battery ensures convenient cordless operation with built-in protection features.



- ✦ **Activator tips (White) — 40 pcs**
- ✦ **Activator tip (Red) — 40 pcs**

DTE - D7 Optic Scaler

- ✦ Auto water supply function & portable for easy operation.
- ✦ Hydrogen peroxide, sodium hypochlorite, and chlorhexidine can be used under auto water supply Solenoid valve system that Improve the effect of periodontal treatment and endodontic irrigation dramatically & prevent rusting.
- ✦ Optic handpiece is detachable & autoclavable upto 134°C at 0.22MPa
- ✦ Automatic frequency tracking, automatic degenerative feedback and constant power output brings more comfortable scaling.
- ✦ Comes with 8 tips (4 S, 2 P, 1 Stain Removal), 1 Endo attachment & 4 endo files.



Expert in endodontic irrigation

Scaling

Perio

Endo

Handpiece with LED

Auto water Supply

DTE - D5 SCALER

Optic

- ✦ Detachable & autoclavable handpiece
- ✦ Works on 3 modes: General, Perio & Endo
- ✦ Automatic frequency tracking
- ✦ Microcomputer controlled
- ✦ Enhanced Endo function
- ✦ Automatic degenerative feedback for constant power output
- ✦ With 6 Titanium Scaling tips (3 S, 1 P, 1 Stain Removal) & 1 Endo attachment



DTE -D3 SCALER

Non-Optic Fixed Handpiece

- ✦ Works on 2 modes: General & Perio
- ✦ Automatic frequency tracking
- ✦ Microcomputer controlled
- ✦ Automatic degenerative feedback for constant power output
- ✦ Athermic Stainless steel 5 Tips (3 S, 1 P, 1 Stain Removal)



INBUILT SCALER V2 LED

Optic

- ✦ Device with Endo mode for enhanced accuracy in root canal treatment
- ✦ Detachable and autoclavable handpiece at 134° C handpiece
- ✦ Handpiece is compatible with Satelac, NSK tips
- ✦ Automatic frequency tracking facility for easy removal of hard calculus
- ✦ Automatic degenerative feedback provides a constant power output
- ✦ Athermic and golden coated tips are highly durable



SCALER HANDPIECES & TIPS

- ✦ **Efficient Plaque/Tartar Removal:** Quick and effective, ideal for challenging areas
- ✦ **Time-Saving:** Speeds up scaling procedures, optimizing clinic time
- ✦ **Precision with Patient Comfort:** Targets specific areas gently, improving patient experience
- ✦ **Ergonomic Design:** Reduces physical strain during long procedures.
- ✦ **Adjustable Settings:** Customizable for patient sensitivity and specific oral conditions
- ✦ **Increased Patient Satisfaction:** Comfortable, less invasive and faster treatments
- ✦ **Improved Oral Health Outcomes:** Aids in better hygiene management and disease prevention
- ✦ **Versatile Use:** Suitable for a variety of dental procedures.



High Resolution

Intraoral Camera with 17" HD Screen



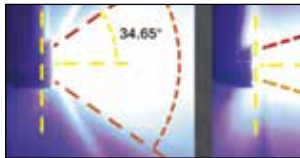
Illuminate Your Dental Practice with Precision and Magic

Features:

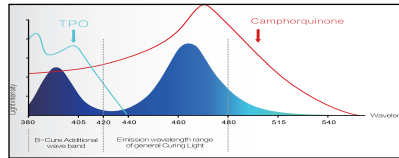
- ✦ Image Sensor: CMOS 19HD sensor
- ✦ OS: Embedded operating system
- ✦ Keystroke mode: 3 buttons keystroke
- ✦ Screen Size: 17-inch screen
- ✦ Resolution: 1280 × 1024, Supports 1080P
- ✦ Display: single-screen/four-screen
- ✦ WI-FI transmission: QR code wireless transmission
- ✦ Storage: automatic storage to U disk storage
- ✦ Capacity: maximum storage is 32GB
- ✦ Image format: JPG
- ✦ Hand racket focus range: 5–50mm
- ✦ Power: 35W
- ✦ Pixel: HD Ultra High Definition

O-LIGHT PLUS LIGHT CURE UNIT

- ✦ Upgraded wide spectrum 385nm-515nm
- ✦ Poly wave Blue-violet light, it can cure all types of resins
- ✦ New style resins material contains TPO (photo initiator), can also be cured
- ✦ 360° curing - reaches every angle
- ✦ Modes: 1> High Mode – Suitable for Orthodontic Brackets, Porcelain Veneers, Post and 2> Standard Mode – Suitable for General Dental Restorative Procedures
- ✦ Light Intensity: High Mode: 2300~2500 mw/cm² Standard Mode: 1000~1200 mw/cm²
- ✦ Time Settings: High Mode: 1 Sec, 3 Sec Standard Mode: 5 Sec, 10 Sec, 15 Sec, 20 Sec



Upgraded Focused Light Output



O-Light Plus Spectral Curve & Resin Spectral Absorptivity



Metal Head Prevents Anti-Shock & Cracks



Light Hood Prevents Eyes From Blue-Ray Injury

CE / EC ISO 13485:2016

LIGHT CURE UNIT

- ✦ 1 Sec Curing of Composite Resin
- ✦ High power LED Light with imported wick from America
- ✦ High-intensity light output with strong penetration
- ✦ 360° rotatable probe
- ✦ High power Visible Blue LED light
- ✦ Wavelength: 420 – 490 nm
- ✦ Modes: High mode: 1 sec, 3 sec
- ✦ Standard Mode: 5 sec, 10 sec, 15 sec, 20 sec
- ✦ High mode for fast curing of post & core, orthodontic brackets, veneers in intensity 2300 mw/cm²
- ✦ Standard mode for curing in restoration cases in intensity 1200 mw/cm²



CE / EC ISO 13485:2016

ULTRACURE LIGHT CURE UNIT

- ✦ Special lens condenser design
- ✦ Broad spectrum blue-violet light with 12W high power LED light source
- ✦ 360° rotation curing head
- ✦ 2 working modes: Strong light mode: 1s, 3s, 5s and Standard mode: 10s, 20s, 30s
- ✦ 7 Magnetic special lens



CLINICAL EQUIPMENT

DIGITAL LED LIGHT CURE UNIT

- ✦ Material of shell handle: Aluminum
- ✦ Size: Diameter 23 X 160mm
- ✦ Mode: Three working mode
- ✦ Working Volt: 4.2~4.5 volts
- ✦ Electric current: 0.7 amperes
- ✦ Battery Type: Lithium-Ion
- ✦ Battery capacity : 1400Mah
- ✦ Wave Length: 420-480nm
- ✦ Luminous Intensity: 1200mW/cm² 5W



TULIP

WATER DISTILLER

The water distiller is the best in its class. This distiller completes one litre of pure steam-distilled water in 1 hour. The boil chamber and condensing coils are high-grade 304 Stainless Steel. It comes with a high-quality plastic collection bottle, the lid and handle are made of food-grade polypropylene, and the lid is removable for convenience. Distilling your own water can't get any easier, simply fill the boiling chamber, press the start button, and walk away, the distiller will automatically shut off at the end of the cycle. It's very easy and convenient.

- ✦ Easy to use, produces pure steam distilled water
- ✦ Lightweight compact design, great for home and for medical use
- ✦ Eliminates plastic bottles from the store & saves you money
- ✦ Capacity - 4 Litres
- ✦ High-quality collection bottle for the purest water



Runyes[®]
FOCUS ON DENTAL

CE / EC EN ISO 13485:2016

PRIME-DENT 7 SYRINGE HYBRID KIT

A light-cured resin-based composite used for all types of cavity preparations. An ideal choice for both anterior and posterior applications. Easy to mold, sculpt and polish to a high luster. Has high compressive strength as well as low shrinkage and resists wear and staining. Radiopaque for easy identifications in radiographs. Incisal (translucent) and dentin (opaque) shades available.



Institutional and API Products



DentXpert Dental Simulator

Precision Dentistry at Your Fingertips

For 2 Students + Four-Handed Operation

Dual Bench Dental Simulators with training and practice equipment allows the dentist & dental students to work on the simulated patient - Dental Phantom head with the look and feel close to a real patient and real dental procedure, training both their manual dexterity and problem- solving skills. Designed for universities and dental training centres, they feature a modular structure that helps to maximise space by creating self-contained learning stations. They reduce the gap between pre-clinical and clinical education. They provide a complete, ergonomic simulation that simulate lifelike situations, as in a clinical setting.



Single / Dual workbench for dental student clinical training simulation.

A complete system for 1 / 2 students reproducing the dental clinic environment and simulating realistically various clinical treatment procedures.



ITEMS DETAILS		
1	Workbench 1200*700*800mm	1 Set
2	LED Lamp	2 Set
3	Phantom With Body-Nissin Type, Silicon mask can add tube, Articulator can open and close. Mouth can open to 5cm	2 Set
4	Nissin Type Jaw-Fransaco Type AG4 or AG3, 28 pieces teeth or 32 pieces of teeth are available	2 Set
5	3-Way Syringe	2 Set
6	Dentist Stool	2 Set
7	Clean Water Bottle	2 Set
8	Waste Water Bottle	2 Set
9	Foot Control	2 Set
10	Pneumatic Suction	2 Set

DentXpert Dental Simulator

Precision Dentistry at Your Fingertips

For 2 Students

Integrated Dental Simulator allows dental students to work on the simulated patient -Dental Phantom head manikin with the look and feel close to a real patient, training both their manual dexterity and problem-solving skills.



ITEMS DETAILS		
1	Body 580*380*800mm	1 Set
2	LED Lamp	2 Set
3	Phantom with torso	2 Set
4	Dental typodont	2 Set
5	3-Way Syringe	2 Set
6	Stool	2 Set
7	Clean Water Bottle	1 Set
8	Waste Water Bottle	1 Set
9	Foot Control	2 Set
10	Pneumatic Suction	2 Set



Stool

DentXpert Dental Phantom Head

Precision Dentistry at Your Fingertips

Portable Dental Phantom Head with Transparent Cover, Adjustable Jaw Model, and Table Edge Clamp for Easy Operation (JG-C6-1)

They are series of dental practice simple phantom head models, which is used for dental school, universities and oral medicine specialized student before clinical practice teaching simulation. It has such advantages as solid structure, handsome shape, easy operation and high reliability as an ideal upgraded product for the modern dental clinics. It can make the professional theory teaching, experiment teaching and clinical teaching easy & effective.



ITEMS DETAILS		
1	With Clips	1 Piece
2	Transparent Mask	1 Piece
3	Jaw Set	1 Piece
4	Drain Pipe	1 Piece
5	Face	1 Piece

DentXpert Dental Jaw Set

Precision Dentistry at Your Fingertips



DentXpert Dental Simulator

Precision Dentistry at Your Fingertips



Dental Phantom Head Pre-clinical Training System (JG-C1)

Type: Phantom head dental simulator

Training purpose: Various types of articulator movement adjustability, cavity preparation, impression taking, implant drilling and placement, suture, face bow transfer, etc. included.

Dimension: 55.8 × 20.6 × 40.3 cm

Net weight: 6.4 Kg

Shipping weight: 7.5 Kg



Dental Manikin Head on Chair (JG-C4)

Dental manikin head on a chair refers to a training setup in which a dental manikin head, also known as a dental simulator or phantom head, is placed on a dental chair for educational purposes.

Use: In Dental Schools educational programs and practical work & students experience training

Dimension: 55.8 × 20.6 × 40.3 cm | **Net weight:** 4.5 Kg

Shipping weight: 5.6 Kg

Dental Dummy Head For Training (JG-C5)

Provides a lifelike human simulation with facial mask, drainage tube for oral pharynx, and synthetic skin for mouth opening control—ideal for realistic dental training.

Use: Dental school educational programs and student practical training.

Dimensions: 41 × 27 × 25 cm

Net Weight: 5 kg | **Shipping Weight:** 6 kg



Dentist Practice Dummy Phantom Head JG-C6-3

Dental Simulator Manikin Phantom Head Plastic Educational Dental Teeth Model with Bench Mount for Education Fix on (Dental Chair Type)

Use: In Dental Schools educational programs and practical work & students experience training

Dimension: 21.5 × 19 × 16.5 cm

Net weight: 1 Kg

Shipping weight: 1.8 Kg



API Instrument Range

API CROWN REMOVER
CROWN REMOVER (AUTOMATIC, GUN TYPE)
CROWN REMOVER (AUTOMATIC, GUN TYPE) Turkey
CROWN REMOVER (SEMI - AUTOMATIC)
CROWN REMOVER (MANUAL)
CROWN & BRIDGE HOLDING FORCEPS WITH RING
API-FORCEPS
ALLIS FORCEPS
ARTERY FORCEPS 5" / 5.5"
ARTERY FORCEPS 6" / 7"
ARTERY FORCEPS 8"
ARTICULATING PAPER FORCEPS (Str. / Cvd.)
CHEETAL FORCEPS
CROWN & BRIDGE HOLDING FORCEPS WITH RING
FORCEPS – ADULT / PEDO (Regular)
FORCEPS – ADULT / PEDO # 41, 44, 45, 68, 233, 235
FORCEPS – 22R / 22L / 88R / 88L
MOSQUITO FORCEPS
ROOT SPLINTER FORCEPS
R. D. FORCEPS 99-497, 498
SINUS FORCEPS 6"
SPONGE FORCEPS 14.5 cm.
SPONGE FORCEPS 18 cm.
SUTURE FORCEPS 12 cm.
SUTURE FORCEPS 15 cm.
TISSUE FORCEPS TOOTH / NON-TOOTH
TISSUE FORCEPS - ADSON TOOTH / NON-TOOTH
TISSUE FORCEPS - ADSON TOOTH / NON-TOOTH – 7"
FORCEPS SET OF 14 (1, 4, 7, 13, 17, 18, 22, 51, 67, 74, 79, 86, 89, 90)
FORCEPS SET OF 12 (1, 7, 13, 17, 18, 73, 51A, 67A, 74N, 86, 89, 90)
PEDO FORCEPS SET OF 7,
API-ELEVATORS
ROOT ELEVATORS

ROOT ELEVATORS – ASH MODEL
ROOT ELEVATORS – CROSS BAR
ROOT ELEVATORS- WARWICK JAMES
PERIOSTAL ELEVATORS – MOLT (SMALL / LARGE)
PERIOSTAL ELEVATORS – BENQUE
PERIOSTAL ELEVATORS – OHL
PERIOSTAL ELEVATORS – FREER / ALAN
PERIOSTAL ELEVATORS – HOWARTH (Flat & Long)
ROOT ELEVATORS SET OF 13
ROOT ELEVATORS SET OF 9 (WITH CROSS BAR ELEVATORS)
ELEVATORS – ROOT TIP (SET OF 3)
ROOT ELEVATORS WARWICK GEMS - SET OF 3
ROOT ELEVATORS SET OF 3 (Hospital Pattern)
API-NEEDLE HOLDER
NEEDLE HOLDER -4"/ 5" / 5.5" (STRAIGHT / CURVED)
NEEDLE HOLDER – 6" & 7.5" (STRAIGHT / CURVED)
NEEDLE HOLDER – 8" (STRAIGHT / CURVED)
NEEDLE HOLDER – ADSON
NEEDLE HOLDER WITH CUTTER - OLSON
NEEDLE HOLDER – MATHIEW / WITH RING / CASTROVIJO
NEEDLE HOLDER – SAMHA
API-RETRACTORS
CHEEK RETRACTOR – ORINGER
CHEEK RETRACTOR -UNIVERSITY OF MINNESOTA
RETRACTOR – FARABEAUF (SET OF 2) 99-423 / 99-424
RETRACTOR – AUSTIN
RETRACTOR – LARGE
RETRACTOR – MEDIUM
RETRACTOR – SMALL

API Instrument Range

API-SCISSOR
SCISSORS - GOLDMAN FOX STR / CVD / D-CVD
SCISSORS - SPENCER (SMALL)
SCISSORS - SPENCER (Large)
SCISSORS - ANGULAR
SCISSORS - CASTROVEIJO
SCISSORS - CROWN Str. / Cvd.
SCISSOR - CROWN & PLATE CUTTING
SCISSORS - MAYO 4" / 6" Cvd. / Str. (Surgical Scissor)
SCISSORS - METZENBAUM 14.5cm - Cvd. / Str
SCISSORS - SURGICAL "Kelly" - 6" Str. / Cvd.
SCISSORS - GUM (Double Upper Curved)
SCISSORS -GUM Straight / Side Curved / Upper Curved
SCISSOR - LOCKLIN
SCISSOR - SURGICAL 6" / 8"
SCISSOR - HEATH
API-CHIESELS
CHIESELS -1mm / 2mm
CHIESELS - 3mm to 6 mm
CHIESELS - 8mm
PERIOSTAL CHIESEL - HOWARD / MEAD
ENAMAL CHIESELS -1mm - 2mm
API - PROBE
PROBE - CPITN
PROBE - GOLDMAN FOX
PROBE - MOONS
PROBE - UNC15

PROBE - NEBBERS
PROBE - MARQUES COLOUR CODED
PEOBE - WHO
API - HAND INSTRUMENTS
SCALERS
CARVERS
PROBE S/E
PROBE D/E
PLUGGERS
M M HANDLE
BURNISHERS
EXCAVATORS
CONDENSORS
PROBE - DG16
PROBE WILLIAM
CEMENT SPATULA
GRACY CURETTES
ENAMAL HATCHET
FILLING INSTRUMENTS
UNIVERSAL CURETTES 2R-2L / 4R-4L
ENAMAL CHIESELS -1mm - 2mm
GINGIVAL MARGINAL TRIMER #26, 27, 28, 29
PKT (MODELLING & CARVING) INSTRUMENTS
ENDO PROBE / SPREDERS 99-553 to 559
R.C. PLUGGER 99-569 to 572
PERIODONTEL POCKET PROBE 99-573 to 576

API Instrument Range

API PLIERS
PLIER ADAM, HOW, BIRD BEAK, BIRD BEAK-LONG TIP, OPTIC, UNIVERSAL, 3PRONG
PLIER BAND PINCHING – SET OF 2
PLIER BAND REMOVER POSTERIOR
PLIER BAND REMOVER ANTERIOR
PLIER CANINE CONTOURING / JOHNSON
PLIER CROWN CRIMPTING
PLIER DELA ROSA BAND CONTOURING
PLIER DELAROSA
PLIER NANCY
PLIERS REYNOLD
PLIER RIBAN ARCH
PLIER TWEED
PLIER WEIN GART UTILITY
PLIER WEINGART
PLIER BRACKET REMOVER DEBONDING STR / CVD
PLIER LINGUAL ARCH
PLIER CINCH
PLIER METHIEW WITH RING
PLIER CRIMPABLE HOOK PPLACEMENT
PLIER BAND FORMING
PLIER BALL & SOCKET

PLIER V BENDING
PLIER UNIVERSAL - LAB
PLIER SCHWARZ
PLIER WALDSACHS
API- INSTRUMENTS KITS
IMP. TRAY SET OF 10 (DENTULAS - PERFORATED / NON-PER.)
IMP TRAY SET OF 8 (E-DENTULAS-PERFORATED / NON-PER.)
IMP. TRAY SET OF 8 – DENTULAS – HALF
IMP. TRAY SET OF 6 (DENTULAS - PERFORATED)
IMPRESSION TRAY – HALF - ADJUSTABLE
RUBBER DAM KIT – With 10 Clamp & Clamp Holder
RUBBER DAM KIT - Paedo With 6 Clamp & Clamp Holder
ORAL SURGERY KIT (Set of 10)
MINOR / MICRO ORAL SURGERY KIT (Set of 25)
PLASTIC FILLING INSTRUMENT KIT (Set of 6) Regular
PLASTIC FILLING INSTRUMENT KIT (Set of 6) TC SOLID
P K THOMAS (CARVER) INSTRUMNETS KIT (Set of 5)
CONSERVATIVE INSTRUMENTS KIT (Set of 12, Blister Pack)
CONSERVATIVE INSTRUMENTS KIT (Set of 20)
PERIO SCALERS KIT-Set of 8
SCALERS KIT-8's (Sub-Zingawal) 1235/1, 2, 3, 4, 5, 6, 7, 8

API Instrument Range

SCALERS KIT-Sub- 7's – with eye currettes (Sub-zingawal)
SCALERS KIT-8's (Suprazingawal)
SCALER KIT Set of 3 (1235-2-3, 235-2-3, 15/30) / MANIPAL SCALERS
CLINIC SET UP KIT
ORTHO. INSTRUMENT KIT SET OF 10
COMPOSITE INSTS. INTERIOR & POSTERIOR (S/10) BLACK T.C.
COMPOSITE GOLD T.C. HOLLOW HANDLE (SET OF 6)
COMPOSITE S.S. FINISH HOLLOW HANDLE (SET OF 6)
COMPOSITE INSTRUMENTS ASSORTED GOLD/BLUE/BLACK
FORCEPS SET OF 14 (1,4,7,13,17,18,22,51,67,74,79,86,89,90) Steel Finish
API PREMIUM FORCEPS
FORCEPS SET OF 14 (1,4,7,13,17,18,22,51,67,74,79,86,89,90) Steel Finish
FORCEPS SET OF 12 (1,7,13,17,18,73,51A,67A,74N,86,89,90) Dull Finish
FORCEPS SET OF 12 (1,7,13,17,18,73,51A,67A,74N,86,89,90) T.C. BLUE
FORCEP ATRUMATIC SET OF 6
FORCEP FINGER PATTERN SET OF 7(PEDO)
FORCEP SECURE (SET OF 11)
FORCEP FINGER PATRAN DULL FINISH /S.S. FINISH ASSORTED
FORCEP T.C. BLUE ASSORTED
FORCEP SECURE ASSORTED
FORCEP ATRUMATIC ASSORTED
PERIOSTEAL ELEVATORS GLICKMAN P24G HOLLOW

SINUS LIFT INSTRUMENTS (SET OF 8)
API PREMIUM PLIERS
PLIER BAND CONTOURING JOHNSON TC
PLIER BIRDBEAK LIGHT WIRE TC
PLIER CANINE CONTOURING TC
Plier Crimpable Hook Placement with TC Tip
PLIER CROWN CRIMPTING TC TIP
PLIER DISTEL END CUTTER T.C-API
PLIER HOW (CVD) TC
PLIER HOW (STR) TC
PLIES LIGATURE WIRE CUTTER WITH TC-API
PLIER Micro Ligature Cutter TC Tip
PLIER MICRO LIGATURE WIRE CUTTER (HARD WIRE)
PLIER MICRO LIGATURE CUTTER
PLIER SEPARATING TC TIP # 99-291
PLIER THREE BEAK/ 3 PRONG TC TIP
PLIER WEIN GART UTILITY TC TIP
PLIER WEIN GART UTILITY SLIM TC TIP
PLIER -Bracket Remover DEBONDING STR / CVD TC
PLIER -V BENDING TC
API PREMIUM SCISSORS
Scissor Castroviejo STR / CVD - Small / Large T.C.
Scissor Crown Stright / Curved T.C.

API Instrument Range

Scissor Goldman Fox T.C.
Scissor Gum Angular T.C.
Scissor Gum Straight / Curved T.C.
Scissor Heath 15.5cm T.C.
Scissor Lagrange Double Curved T.C.
Scissor Metznanbaum 14.5cm
Scissor Metznanbaum 14.5cm T.C.
API OTHER PREMIUM INSTRUMENTS
Amalgam Carrier Back Push SWISS PATTERN
B P HANDLE MICRO HOLLOW RING TYPE
Bone Caliper with / without Slide Scale
Bone Chisel 3mm /4mm/ 5mm/ 7mm
Bone Collector 7mm/ 12mm
Bone File Schluger File # FS9/10S Hollow Handle
Bone File Sugarman # 1S/2S Hollow Handle
Bone File Sugarman # 3S/4S Hollow Handle
Bone Injector 2.5mm/ 3.5mm/ 4.4mm/ 7mm
Bone Mallet 17cm / 19cm
Bone Mill (Titanium Teeth)
Bone Punch Set of "2"
BONE ROUNDNER Double Action
Bone Scraper Set of "2"
BUCCAL TUBE HOLDER SMALL
BUCCAL TUBE HOLDER LARGE
Caliper Castroviejo Straight / Curved
Caliper Weiss Modified Castroviejo
COMPOSITE INSTS. INTERIOR & POSTERIOR (S/10) BLACK T.C.
COMPOSITE GOLD T.C. HOLLOW HANDLE (SET OF 6)

COMPOSITE S.S. FINISH HOLLOW HANDLE (SET OF 6)
COMPOSITE INSTRUMENTS ASSORTED GOLD/BLUE/BLACK
CONSERVATIVE INSTRUMENTS (SET OF 19)
CURETTES KRAMER NAVINS PKN1
CURETTES LANGER 1/2, 3/4, 5/6
CURETTES UNIVERSAL Columbia 2R-2L / 4R-4L Hollow Handle
CURRETE MC CALL #17S/18S HOLLOW HANDLE
CURRETE MC CALL SMTS 13S/14S HOLLOW HANDLE
ROOT ELEVATORS LINDO-LEVIAN SET OF 6
ROOT ELEVATOR T.C. BLUE
ROOT ELEVATOR S.S. FINISH
ENDO-SURGICAL KIT (SET OF 13)
GRACY CURETTES (Set of 7)
GRACY CURETTES (Set of 9)
GRACY CURETTES (Set of 11)
Krikland Kinfe # 15k/16k Hollow Handle
MAMBRANE HOLDER T.C. BLUE
Needle Holder Castroviejo STR / CVD T.C.
Needle Holder DERF 12.5cm T.C.
Needle Holder DERF 16 cm T.C.
Needle Holder MATHIEW SMAHA
Needle Holder OLSEN HEGAR
Ochsenbien Chisel # CO4 Hollow Handle
Orban Knife # KO 1/2 Hollow Handle
Osteotomes Bone Chisel 7.5mm
Osteotomes Bone Chisel 7.5mm Curved

API Instrument Range

Osteotomes with / without Stoppers (Set of 12) Concave / Convex
Osteotomes with / without Stoppers (Set of 10) Concave / Convex
Osteotomes/ Bone Expander (Set of 4)
Periosteal ELEVATORS Benque # PBO Hollow Handle
Periosteal ELEVATORS BUSER PBU HOLLOW
PERIOSTAL ELEVATORS GLICKMAN P24G HOLLOW
PERIOSTAL ELEVATORS GOLDMAN FOX P14
PERIOSTAL ELEVATORS HIRSCHFELD P20
Periosteal ELEVATORS P24G Hollow Handle
PERIOSTAL ELEVATORS MOLT9 Large P9
PERIOTOME WITH 3 TIPS
P K THOMAS (CARVER) INSTRUMNETS KIT (set of 5)
PLASTIC FILLING INSTRUMENTS (SET OF 6)
PMT (Probe + Mirror with Handle+ Tweezer)
Pocket Marker GOLDMAN FOX (Left)
Pocket Marker GOLDMAN FOX (Right)
Probe UNC # PCP 15/11.5 Hollow Handle D/E
Probe UNC #PCUNC 156 Hollow Handle
Probe WHO # PCP11.5B Hollow Handle
Probe William Hollow Handle
ROOT ELEVATORS Warwick Gems Set of 3
ROOT FRAGMENTS STRIGHT/45°/90°

ROOT CANAL PLUGGER COLOUR CODED (SET OF 8)
ROOT CANAL PLUGGER COLOUR CODED
ROOT CANAL PLUGGER ASSORTED
Scaler # SH 6/7 Hollow Handle
Scaler #SCM152 Hollow Handle
Scaler 1235/5-6 Hollow Handle
Scaler Anterior # SN 137 Hollow Handle
Scaler Posterior # 204 SA Hollow Handle
SCALER POSTERIOR 204S
SCALER POSTERIOR SN135
SCALER SC NEVI -1 HOLLOW
SCALER SC NEVI -2 HOLLOW
Scaler SU 15/30 Hollow Handle
SINUS LIFT INSTRUMENTS (SET OF 8)
SINUS LIFT INSTRUMENTS ASSORTED
SUTURE PLIER
Tissue Forceps Micro Gerald 1:1 / 1:2 Teeth
Tissue Nipper
TWEEZER - With / Without Hole Handle
BRACKET HOLDING TWEEZER LOCKING BHT5
Wire Twister 13cm T.C.
Wire Twister 16 cm T.C.
CARTRIDGE SYRINGE - INTRALIGAMENTARY- INDEX FINGER PUSH

Clinical CAD CAM

A COMPLETE INTRAORAL SCANNER ECOSYSTEM

**Designed for every step
of your digital journey**



Scan
**WITHOUT
LIMITS**

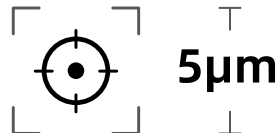
Aoralscan Elite More than an IOS

IntraOral Scanner

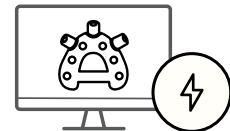
IPG Intraoral photogrammetry Technology: is the first of its kind in Digital Dentistry, where Intraoral scanning meets PhotoGrammetry in one device.

IPG + SCAN

**Two-in-one
System**



**High
Precision**



**High
Efficiency**



The Aoralscan Elite is the world's first device to integrate both intraoral scanning and photogrammetry into a single unit. The device functions as a standard intraoral scanner (IOS) for capturing images of dentulous cases, allowing for detailed scans of teeth and oral structures. Additionally, it serves as a photogrammetry system, which is used to accurately record the position of dental implants in edentulous cases. This dual functionality makes it versatile for both traditional dental work and advanced implant procedures. This groundbreaking innovation allows for comprehensive dental imaging and precise implant positioning, setting a new standard in dental technology.

Smooth Scanning for Edentulous Cases

IPG technology ensures a seamless scanning experience for edentulous patients. Aoralscan Elite Adopts the IPG tip, which is larger than standard, to capture every detail of the edentulous patient's oral geometry with unparalleled clarity.

124g Slim and Light

Aoralscan Elite Intraoral scanner combines a compact size and lightweight structure. The ergonomic design allows Elite to fit into a hand comfortably, enhancing usability and convenience.

- ✦ Ultra-lightweight (124g)
- ✦ Compact dimensions (245x30x26mm)



Aoralscan Elite

2-in-1

The Aoralscan Elite is the world's first device to integrate both intraoral scanning and photogrammetry into a single unit. The device functions as a standard intraoral scanner (IOS) for capturing images of dentulous cases, allowing for detailed scans of teeth and oral structures. Additionally, it serves as a photogrammetry system, which is used to accurately record the position of dental implants in edentulous cases. This dual functionality



IPG for All-on-X

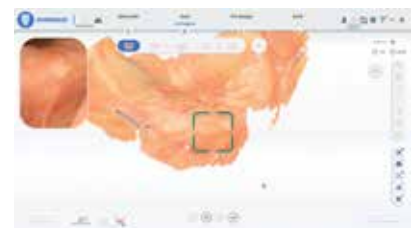


IOS for normal cases

makes it versatile for both traditional dental work and advanced implant procedures. This groundbreaking innovation allows for comprehensive dental imaging and precise implant positioning, setting a new standard in dental technology.

Smooth Scanning for Edentulous Cases

IPG technology ensures a seamless scanning experience for edentulous patients. Aoralscan Elite Adopts the IPG tip, which is larger than standard, to capture every detail of the edentulous patient's oral geometry with unparalleled clarity.



ConsulReport: A ConsulReport is a record created by a dentist after an oral examination that includes information on the type of disease, a description, and a treatment plan.

ConsulOS: The ortho-treatment process can be simulated, and patients will be able to preview the post-treatment effect in advance.

MetronTrack: With the measurement and comparison functions, it helps improve dentist-patient communication efficiency and effectiveness by tracking patients' data.

AccuDesign: Orthodontic or restoration models can be easily designed with AI for printing.

CreSplint: A smart tool that allows users to design retainers or night guards automatically with minimum operation.

CreTemp: Temporary crowns can be designed and printed in the clinic, reducing the patient's waiting time.

CreIBT: Designs an indirect bonding tray, which can be directly 3D printed to help orthodontists attach brackets faster and more accurately.

Aoralscan Elite

Lifetime Oral Health Management with SHINING 3D

Elevate your dental practice with Shining3D's cutting-edge solutions for lifelong oral health management. Experience the freedom and precision of the Aoralscan 3 Wireless, seamlessly integrated with the MetiSmile face scanner for comprehensive patient imaging. Enhance your diagnostics and treatment planning with the advanced MetronTrack comparison tool, all while ensuring secure, cloud-based data storage. Keep track of progress and collaborate effectively with your patients, setting a new standard in dental care with Shining3D.



SHINING 3D Dental Cloud

Standard and unlimited – seamless collaboration between dentists and technicians. SHINING 3D dental cloud allows for data transfer and communication between dental clinics and labs.

Technical Specifications	
Scan Field of Single Frame	IPG scanner tip: 19mm × 14mm Standard scanner tip: 16 mm × 12 mm Mini scanner tip: 12 mm × 9 mm
Scan Depth	22 mm from exit surface of tip
Scan Principle	Non-contact scanner with structured light and Intraoral photogrammetry
Dimension (L × W × H)	245 mm x 30 mm x 26 mm
Weight	124 g (without cables)
Output	STL, OBJ, PLY
Connection Port	Type-C

Aoralscan 3 Neo SHINING 3D Intraoral Scanner

Now with Oral Health Report

JUST SCAN IT



Scan for Oral Health Report

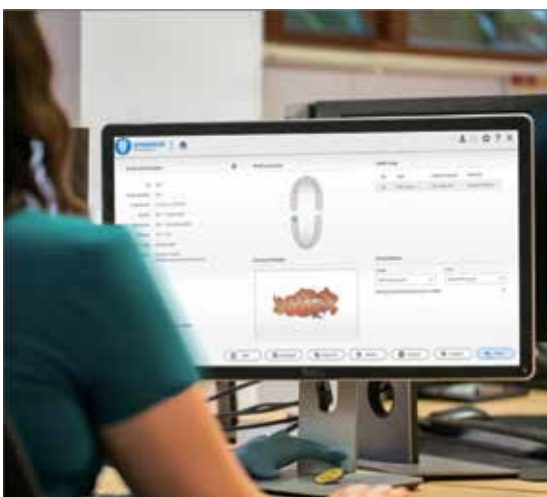
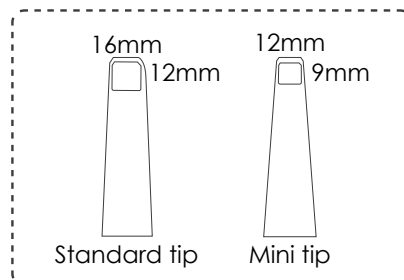


- ✦ One Button Control
- ✦ Light Weight (240g)
- ✦ Auto Anti-fogging
- ✦ Ergonomically Designed
- ✦ AI Mode
- ✦ Dynamic LED Indicator

Technical Specifications	
Scan Field	Standard scanner tip: 16 mm × 12 mm × 22 mm Mini scanner tip: 12 mm × 9 mm × 22 mm
Scan Principle	Non-contact scanner with structured light
Dimension (L × W × H)	281 mm × 33 mm × 46 mm
Weight	240 ± 10 g (without cables)
Output	STL, OBJ, PLY
Connector	USB 3.0
Power Input	12V DC/3 A

Key Features:

- ✦ Fast speed, intuitive communication with motion sensing
- ✦ High accuracy, powerful AI process and realistic color
- ✦ Data cloud platform
- ✦ Ortho stimulation
- ✦ Model making with coordinate adjustments
- ✦ Oral health report - more informed, more engaged



Cloud Platform:

SHINING 3D's cloud data platform enables data transmission, making it convenient for data transfer and communication between clinics and dental labs.

- ✦ Online 3D Data Preview
- ✦ Order Statistics Analysis
- ✦ Order Tracking System

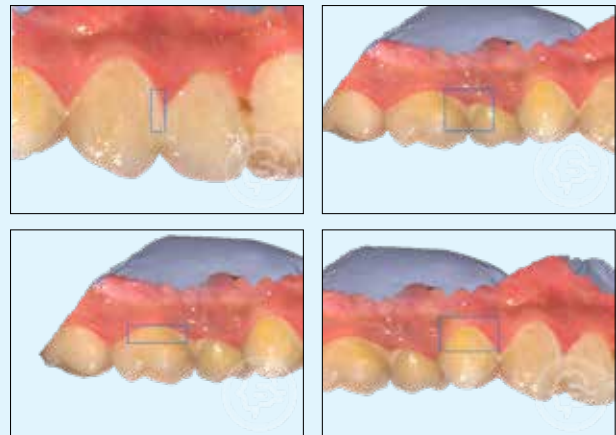
Aoralscan 3 Neo

Application:



Oral Health Report

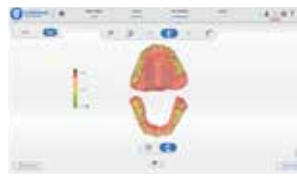
A digital report generated from an intraoral scan that uses AI to identify and display oral diseases, creating a visual treatment plan for communication with patients



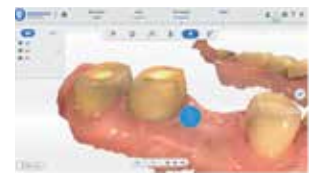
Clinical Toolkit: The clinical toolkit assists dentists to evaluate and pre-design the scanned data in their own clinic. It facilitates effective communication with dental labs to deliver quality dental work with high efficiency.



Undercut Check



Bite Check



Margin Line Auto Extraction



Tooth Marking



Coordinate Adjustment



Direct Export Into Exocad

Ortho Treatment Simulator - See it, Believe it, Get it!

Before Tooth Setup



After Tooth Setup



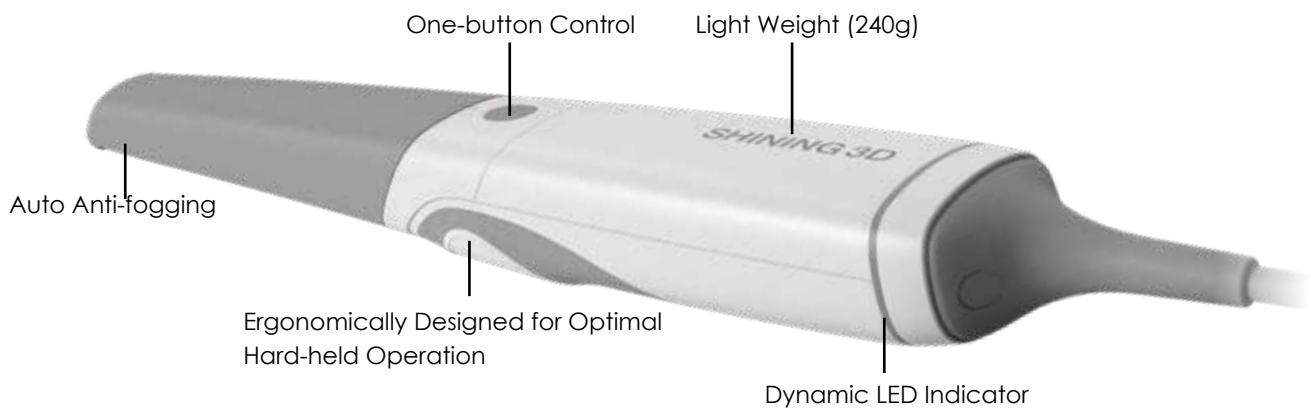
Show your smile to your friends & family even before starting your treatment.



Scan for Live Ortho Simulation

AoralScan 3

Shining 3D presents his brand-new intraoral scanner, AoralScan 3. It's a fast scanner with high accuracy and the latest features, which makes your experience with digital scans better. The latest AI technology makes our workflow more accurate. Now, with the new ortho simulation feature, you can encourage your ortho patient for the treatment with the pre- and post-treatment videos and photographs.



ConsulOS

Revolutionize how dentists interact with their patients: Through vivid 3D simulations, dentists can seamlessly illustrate treatment outcomes, enabling patients to visualize and understand anticipated changes.

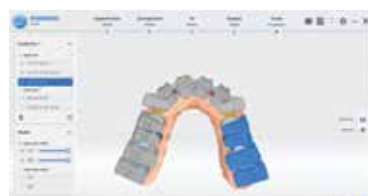


ConsulReport

Oral Health Report: Oral Health Report, is here to revolutionize dentist-patient communication and oral health management. Designed with user-friendly interaction and a simplified layout, this report enhances the effectiveness of communication between dentists and patients. Featuring multiple measurement tools, it provides comprehensive insights into oral health status.

CreSplint

Whether you need a nightguard or a retainer, CreSplint software provides you with an accurate, custom-fit design via an intuitive and user-friendly interface that requires minimal training.



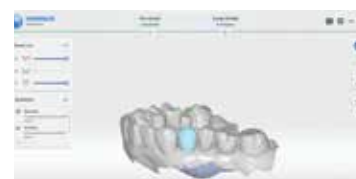
CreIBT

CreIBT makes the creation of indirect bonding trays easy. With CreIBT, orthodontists can accurately attach brackets to teeth, all while benefiting from the convenience of direct 3D printing.

Aoralscan 3

CreTemp

Temporary crowns can be designed and printed efficiently in the office, reducing patient waiting times and providing high-quality care with minimal effort.



MetronTrack

With features like curve of Spee, overbite and overjet, molar relationship, Bolton ratio, crowding measurement, and Moyer analysis, these multiple measurement tools offer a comprehensive overview of the teeth. The ability to compare various intraoral data enables dentists to monitor and manage the treatment progress.

AccuDesign

AccuDesign enables users to effortlessly create printable models with a single click, streamlining operations and boosting efficiency. The improved support for ABO base significantly enhances its utility in orthodontic applications. Moreover, with the inclusion of articulators, text, and customizable settings, users have the freedom to craft personalized models.



	Aoralscan 3	Aoralscan 3 Neo	Description
Applications	Cre-Temp	NA	Lets user design and print Dental crowns and Bridges
	Splint	NA	Allows user to fabricate splints
	Cre IBT	NA	Allows user to fabricate IBT's
	Metron Track	NA	Tooth movement tracking for aligner cases
Clinical Applications	Edentulous Scanning	Clearance Check	Allows for scanning Edentulous scans with AI turned on
	Clearance Check	Margin Line Detection	Lets user check clearance
	Margin Line Detection	Undercut Detection	Lets user detect undercuts in preparation

Aoralscan Lync SHINING 3D Intraoral Scanner

LESS IS MORE

Ergonomic & Effortless

Aoralscan Lync is the latest intraoral scanner from SHINING 3D. Built on the proven Aoralscan series technology platform, it inherits trusted software and hardware while being re-engineered to focus on what truly matters - efficiency and reliability in digital impressions. It is designed to support a wide range of clinical applications, including implantology, orthodontics, and prosthodontics.



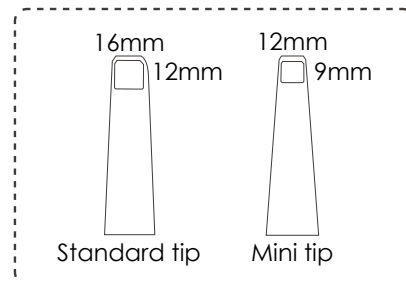
Excellent Ergonomics: Designed for comfortable handling with a pen-like grip, allowing for intuitive and relaxed scanning.



Featherlight Form: Weighing just 116g, its lightweight & compact design ensures fatigue-free operation, even during extended procedures.



Simplified Connection: A single Type-C cable enables instant plug-and-play setup, reducing clutter and enhancing usability.



Excellent Scanning Performance: Aoralscan Lync is the latest intraoral scanner from SHINING 3D. Built on the proven Aoralscan series technology platform, it inherits trusted software and hardware while being re-engineered to focus on what truly matters - efficiency and reliability in digital impressions. It is designed to support a wide range of clinical applications, including implantology, orthodontics, and prosthodontics.



AI Enable: When enabled, the AI function automatically identifies and removes unwanted data points from a scan, such as soft tissue, the tongue, or the cheeks.



Extended Scanning Depth
A depth of field up to 22mm allows for easy capture of fairly deep holes and narrow gaps.



Outstanding Accuracy
Delivers high-precision, reliable scan results across diverse clinical applications.

Technical Specifications	
Scan Field	Std. scanner tip: 16 mm × 12 mm × 22 mm Small scanner tip: 12 mm × 9 mm × 22 mm
Scan Principle	Non-contact scanner with structured light
Dimension	245 mm (L) × 38 mm (W) × 33 mm (H)
Weight	116g (without cables)
Output	STL, OBJ, PLY
Connection Port	Type-C
Power Input	12V DC/ 3A

Aoralscan Lync

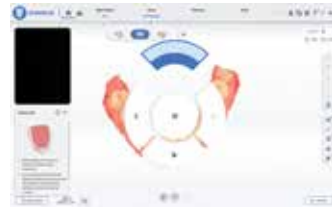
User-friendly Scanning Experience

Designed with the clinician in mind, Aoralscan Lync offers an intuitive and hygienic scanning workflow that fits effortlessly into modern practice settings.



Intuitive Interface

A clean, streamlined UI ensures a more efficient & seamless scanning process.



Motion Sensing

Enables contactless control during scanning, enhancing hygiene & convenience.

Smart Software for Superior Experience

Powered by advanced SHINING 3D software, Aoralscan Lync delivers a smart, streamlined scanning experience backed by powerful algorithms.



Intelligent Scan: I-driven software automatically removes soft tissue interference for clean, accurate data capture.



Scan Quality Indicator: Highlights areas lacking data in gray, helping you identify where to rescan for optimal quality.



Refined Scan: Captures fine morphology and preparation details with exceptional fidelity.



Reliable with Metal Surfaces: Scans effectively on metal restorations and darker shades.

Versatile Features for Clinical Excellence



Scanbody Matching: Built-in libraries of major scanbody brands enable precise one-click alignment during scanning, minimizing rework and streamlining the implant restoration workflow.



Bite Detection
Intuitively visualizes occlusal contacts with a heat map and sectional view, helping clinicians assess bite relationships efficiently.



Open-format Export for Design: Easily exports data in widely supported formats for seamless integration with CAD software like exocad, ensuring smooth and flexible prosthetic design.

Helios 680

DIGITAL INTRAORAL SCANNER- MORE THAN A SCANNER

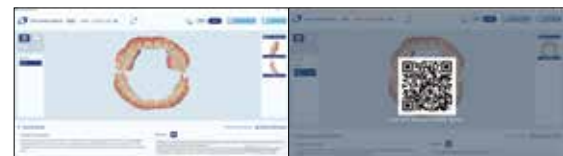
- ✦ **User-friendly tip:** Powder-free No heating required LED structured-light imaging
- ✦ **Duct optimization:** Enhanced anti-fogging for improved precision
- ✦ **New body design:** Firm body design with durability Fresh look with ergonomic design for easier using
- ✦ **Plug & scan** with only 1 power cable

FLAGSHIP-LEVEL UPGRADE

- | | |
|--|---|
| <p>Performant:</p> <ul style="list-style-type: none"> ✦ 16µm intraoral full-arch precision, 8µm single tooth precision, 30fps frame rate. ✦ Enjoy the smooth precision of scanning | <p>Intelligent Automation:</p> <ul style="list-style-type: none"> ✦ Automatic and adaptive color and accuracy calibration ✦ No manual calibration required |
| <p>Renewed:</p> <ul style="list-style-type: none"> ✦ Graceful curves with refined matte finish | <p>Convenient:</p> <ul style="list-style-type: none"> ✦ Removable & 180° reversible tip |
| <p>Lighter:</p> <ul style="list-style-type: none"> ✦ 161.5g total weight, lighter than ever and easy to hold | <p>Durable:</p> <ul style="list-style-type: none"> ✦ withstand 100 sterilization cycles |
| <p>Real:</p> <ul style="list-style-type: none"> ✦ 24bit color bits, feel the real color of teeth. ✦ Better patient understanding, easier lab color matching | <p>Oral-friendly:</p> <ul style="list-style-type: none"> ✦ improve patient comfort with a smooth, rounded tip design |
| <p>Cloud-upgraded:</p> <ul style="list-style-type: none"> ✦ Powered by AWS cloud with worldwide coverage, lower latency & greater reliability ✦ Enhanced performance for efficient cloud management | |



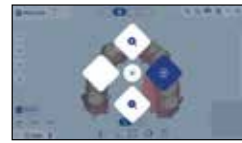
AI Report: Smarter Diagnosis, Better Communication. Helios AI Health Report visually presents oral health conditions and treatment plans, streamlining doctor-patient communication.



Orthodontic Simulation: AI-powered automatic tooth alignment provides clear orthodontic before-and-after comparisons, helping doctors build patient confidence in treatment plans. This feature is only supported by NVIDIA graphics cards



Cloud Storage: Enjoy 100GB of cloud storage for free, enabling easy order sharing through Cloud.



Air Mouse: Your scanner can also be a mouse to easily manage the software and rotate the 3D models.



Model Builder: Add bases to 3D models directly within the software, boosting efficiency for orthodontists and making it easier to save and share models.



Auto/Manual Bite



Enhanced Implant Workflow



Shining Mode



Occlusion Analysis



Undercut Detection



Texture Mapping



Tooth Measurement



Margin Line Drawing



Intraoral Camera



Software Update



Auto AI



Swap Upper & Lower Jaw



Automatic Cuff Detection



3D Viewer



APList



Bite Refinement Preview

Technical Specifications		
Accuracy	Full-arch	16µm
	DOF	20mm
	Scan area	16 × 14mm (L) * 3 12 × 12mm (S) * 1
Speed	FPS	30fps
Connectivity	Length	1.8m
	Type	USB3.0
Calibration	Accuracy calibration	Calibration-free
	Color calibration	Calibration-free
Advanced Mode	Remote control	✓
Data	Output format	STL / PLY / OBJ



INTRAORAL SCANNER

Ultimate Design And Elevated Scanning Efficiency

The Nova 900 Intraoral Scanner delivers fast, precise digital impressions with an easy-to-use, lightweight design. Its advanced scanning technology ensures accurate results across various dental procedures while improving efficiency, sterilization, and patient comfort.

Key Highlights

- ✦ Lightweight & Ergonomic Design
- ✦ High-Speed Scanning Performance
- ✦ Precision-Driven Imaging
- ✦ Smart AI-Powered Workflow
- ✦ Dual Tip Versatility
- ✦ Enhanced Scanning Experience



Effortless And Precise Scanning From Start To End

Full-arch Scanning in 25s, Faster Than Ever: Capture every detail with 20 FPS and advanced algorithms, boosting scanning efficiency and patient care



More Precise on Various Indications: The advanced algorithms significantly reduce stitching errors, achieving finer results

Smart Filter: Automatically identifies and filters out all unnecessary data during scanning



Data Reliability Monitor: Detects data quality in real-time during scanning for more precise results

G-Motion: Prevents cross-infection and brings an easier scanning experience



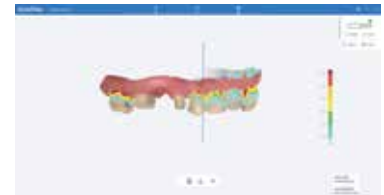
Your Data Evaluation Assistance



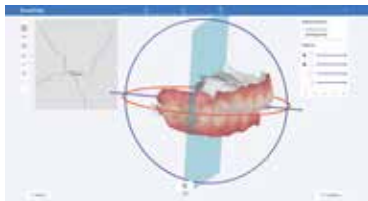
Working Area Selection



Occlusion Analysis



Undercut Analysis



2D Section Measurement



Measurement Tools



Open File Export



Standard Pediatric

2 Scanning Tip Size Options - Meet different clinical needs



Preheat < 30s

Built-in Anti-fogging: Preheat in less than 30s, making continuous scanning more efficient



Autoclavable Scanning Tips: Sterilization at 134°C, More than 100 times

Technical Parameters

Scanning Principle	Structured Light (Video)
Accuracy (Single Unit)	10 μm (±1.1 μm)
Scan Speed	20 FPS
Scan Depth	0 – 18 mm
Handpiece Dimensions	247 (L) X 43 (W) X 35 mm (H)
Handpiece Weight	240 g
Field of View (FOV)	Standard: 16 × 13 mm Pediatric: 12 × 9 mm
Scanning Tip Dimensions	Standard: 95.3 × 22.5 × 16.6 mm Pediatric: 94.0 × 17.9 × 13.2 mm
Anti-Fogging Technology	Actively Heated Tip
Autoclavable Tips	Yes (≥100 cycles at 134°C)
Maintenance Method	High temperature & pressure; Immersion
Cable Length	2.0 m
Connection	USB 3.2
Output Formats	STL, PLY, OBJ

MetiSmile - Dental 3D Face Scanner

Beyond Smile



Fast Scan Speed

In just 10 seconds this highly perceptive scanner can take photos of patients from multiple angles to simultaneously construct a 3D facial data.

High Accuracy

Three 1.3 MP data acquisition cameras and one 5.0 MP HD texture camera produce scan accuracy within 50µm. MetiSmile also captures elevated details of the teeth.

High-fidelity Texture

The exceptional texture camera of the MetiSmile can accurately record and display facial color that appears realistic to the patient.

ADVANCED SOFTWARE:

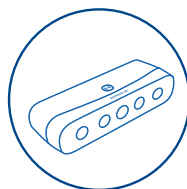
Auto Alignment Between Facial Scan Data and Intraoral Scan Data

The software will align the facial and intraoral scans which displays the patients' facial and oral information in a comprehensive way. The scans are overlapped to provide a better view and perspective for digital smile design that assists in creating more aesthetic restorations for patients.



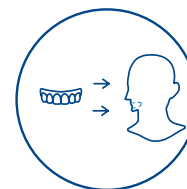
Step 1

Use Intraoral Scanner to add Intraoral data



Step 2

Use MetiSmile to Capture the Facial Data



Step 3

Import Intraoral Data to MetiSmile Software for Auto Alignment

MetiSmile - Dental 3D Face Scanner

Ortho Simulation



Facial Feature Measurement and Comparison



Mandibular Trajectory Tracking



Application

The powerful and advanced software of the MetiSmile makes this product an indispensable tool for digital dental treatment, including maxillofacial surgery, implant and prosthesis, orthodontics, medical cosmetology, etc. It will take your clinic to the next level.

- ✦ **Maxillofacial Surgery**
- ✦ **Implant And Prosthesis**
- ✦ **Orthodontics**
- ✦ **Medical Cosmetology**
- ✦ **Aesthetics Restoration**

Outstanding Scanning Performance

The Aoralscan Elite software is equipped with numerous powerful tools to optimize the scanning process and enhance efficiency

Good User Experience

- ✦ Handheld mode & Fixed mode
- ✦ Eye-friendly flashless scan thanks to infrared technology
- ✦ Automatic brightness adjustment ensures outstanding face texture
- ✦ Guided operation throughout the scan workflow
- ✦ Open system to export STL, OBJ and PLY
- ✦ Elegant and compact, only 800 grams



Technical Specifications	
Resolution	Data Acquisition Camera: 1.3 Mega Pixel HD Texture Camera: 5.0 Mega Pixel
Accuracy	50µm
Field of View	With working distance 500mm, the FOV is 210 mm X 270 mm
Output Format	PLY, OBJ, STL
White LED color temperature	5500K
Dimension	215*50*75mm
Weight	800g
Power Supply	Input: AC 100-220V~, 50/60HZ, 1.5A
Output	DC 12V, 7.0V



 **ioConnect**[™]
Scan

GIVING YOU MORE
BY DOING LESS

 **Open System**

Compatible with any dental CAD software for data importation and design.

 **Minimized Scanning Area**

Focus on scanning just the blue area to reduce scanning error. Easy access and shorter scanning time.

 **Effortless MUA Detection with your IOS**

Empower your existing IOS (Intra-Oral Scanner) to achieve the same photogrammetry workflow.

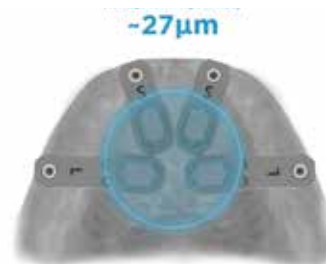
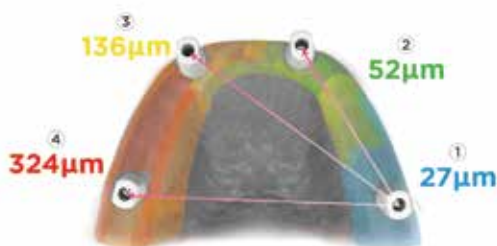
 **All About Options**

Multiple sizes (S, M, L) available for you to choose depending on the implant position and the anatomy of each patient.

Why  **ioConnect**[™]

A Perfect Example of **Less Is More**

Average scanning accuracy



The ioConnect[™] scan bodies are specifically designed to minimize the scanning needed for full-arch cases. Stitching errors are a primary source of inaccuracies, so limiting the scan to the recommended area (the hexagons) helps achieve greater precision with less data. The diagram above illustrates how scanning discrepancies differ between a conventional full-arch scan and the optimized, reduced-area scan using ioConnect[™] scan bodies.



TruSuite trusuite.truabutment.com **ioConnect™**



TruSuite is a free software launcher with a variety of CAD capabilities including the **ioConnect™ app**. The application can be used by doctors or labs for conversion depending on each one's workflow. The TruSuite launcher requires a Windows PC and does not require a physical dongle.

Download now

ioConnect™ Product Specifications

Available in various lengths based on implant position and patient anatomy.



INTRA ORAL SCANNER

TRIOS [®] is more than an impression

The Scanner uses confocal microscopy along with ultra fast optical sectioning technology to scan.



Fast & Easy

Scanning has never been easier for dentists and assistants.



RealColor™ Scans

Create high quality digital impressions in lifelike colors.



Shade Measurement

Measure teeth shades while you scan for more accurate & predictable results.



IOC & HD Photo

Enhance significant details & accurately set the margin line. No need for separate intraoral camera.



Automatic soft tissue removal

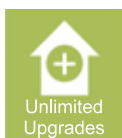


Easy view, edit, rescan



Automatic bite registration

Backing dentists with care, technology and expertise



TRIOS® 5 Wireless TRIOS 5 Wireless - Meet the 5th Generation TRIOS

The Most Powerful 3shape Intraoral Scanner To Date!



Intelligent. The Ultimate TRIOS.

Next-level ergonomics. Effortless scan technology. Hygienic by design.

Our new scan engine avoids stitching errors by reconstructing and building up the 3D model while scanning.

POD Size: Pod diameter 11 cm & Weight: 380 g

Place your TRIOS 5 on the pod in any orientation while not scanning. The pod has been designed for easy cleaning and disinfection between patients for optimal hygiene.

THE SCANNER : Weight (incl. battery): 299 g

Light source: LED

Output format: PLY, DCM and STL

Scanner dimensions (LxWxH cm): 26.6 x 3.7 x 3.8

Tip dimensions (LxWxH cm): 9.5 x 2.26 x 1.95

BATTERY AND USAGE

TRIOS 5 wireless comes with three rechargeable batteries.

Battery duration (non stop scanning): Instant heating and up to 66 minutes of continuous scanning per battery.

Scanner sleep mode: The scanner can stay in sleep mode with the battery inserted for more than 7 days.

Battery charging time: 60 minutes to achieve 80% battery power. Less than 2 hours to achieve 100% battery power.

WIRELESS RANGE

Same room, up to 15 meters.

Scanning over WiFi possible with TRIOS Share NEW TRIOS 5



Body sleeves

TRIOS[®] 5 Wireless

Effortless Scanning

With five generations of experience up our sleeve, we know a thing or two about what makes or breaks a dental scan experience. With TRIOS 5, we've made scanning even smoother, faster and easier.

Calibration free

The scanner is calibration free, meaning you don't need to calibrate after a certain number of scans. It's always ready to use!

Smart haptic feedback

Switching focus between patient and screen can be distracting. That's why the scanner uses haptics – a subtle vibration – to give you feedback.



LED to indicate readiness

A LED ring on the scanner indicates the status of the scanner: it tells you when it's connected, low on battery, or the tip is ready, for example. You'll know if you're scan-ready with just a glance.

Remote control button

Use your scanner as a remote control. Point to the screen and use the button to select your next step or rotate the 3D model. There's no longer the need to touch (and clean) the mouse.

INNOVATIONS INCLUDE:

- ✦ 30% smaller and 20% lighter compared to TRIOS 4. Made to fit perfectly in your hand
- ✦ Introducing ScanAssist, providing you with easier scanning independent of scan strategy
- ✦ Improved battery technology, requiring only one battery per day
- ✦ Truly effortless: calibration free scanner
- ✦ LED ring and haptic feedback for better user guidance
- ✦ Two-button design for improved software navigation and scan analysis
- ✦ Autoclavable scan tips providing a microbial barrier on the scan tip
- ✦ Body sleeves to significantly reduce risk of cross contamination.
- ✦ Closed tip design to avoid cross contamination
- ✦ Scanner body has been designed for cleaning and disinfection



Sealed Scratch Free Sapphire Glass



Autoclavable Tip

3shape 

**UNICORN
DenMart** 
Behind The Best Indian Dentists

TRIOS® 3



 **invisalign**
COMPATIBLE

Proven. The Trusted Choice.

Proven scanning technology for a superior patient experience
Now without the need of a power adaptor, fewer cables, Simplified Scans

Choose award-winning TRIOS 3 for accurate, scan-and-send impressions. Just like tens of thousands of dentists use – and love – TRIOS 3. With 3D scans in realistic colors, three included engagement apps, and an improved pod that is lighter, smaller, and with fewer cables.

Inspire your patients: This dental scanner comes with free engagement apps. There are so many new ways to engage with your patients, add weight to your treatment proposals and gain – even better – case acceptance.

Simplified pod: 30% lighter. 10% smaller. Fewer cables.: The improved TRIOS 3 pod takes up less of your precious workspace. It has fewer cables, for a lot less fuss. And the LED indicator light lets you know when it's connected and ready to go!



TRIOS[®] Move+



Excite Your Patients & Advance Case Acceptance

TRIOS[®] Move+

TRIOS MOVE+ is a new larger TRIOS monitor. The workspace is 36% bigger than TRIOS MOVE - 15.6" vs. 13.3"- and it comes with a USB port at the back of the screen.

TRIOS[®] 3 Scanner

Compatible with TRIOS[®] 3 Color & TRIOS[®] 3 Wireless in both, Pen & Handle Grip.

Software

TRIOS[®] Digital Impression software with integrated 3Shape Communicate[™] interface.

- ✦ Weight: 14 kgs
- ✦ Display: 15.6" (16:9) touch*
- ✦ Resolution: 1920 x 1080
- ✦ Processor: Intel i7 Quad core
- ✦ Disk storage: 1 TB SSD

The 3Shape TRIOS MOVE+ is the ultimate communication tool taking active patient involvement to the next level.

Flexibility

TRIOS MOVE+ features an ergonomic, 15.6" movable HD touchscreen* with USB port that allows you to easily share your digital scans, images, and treatment plan with patients. This helps patients picture their final results and ultimately, advance case acceptance.

Performance

TRIOS MOVE+ also features a powerful, custom PC specifically designed for use with all 3Shape TRIOS scanners to give a fast and smooth scan experience straight out of the box.

Excitement Apps

TRIOS Smile Design:

Design a smile in just minutes & share the photo-realistic images with your patients.



TRIOS Treatment Simulator:

TRIOS Treatment Simulator automatically generates a simulated result of the orthodontic treatment, side-by-side with their current dentition. This can be used to help facilitate patient engagement to increase treatment acceptance rates. You can also adjust individual teeth to create the perfect smile.



TRIOS Patient Specific Motion:

Your digital articulator using the patients own jaw movements to highlight occlusal contact points for a better fit.



TRIOS Patient Monitoring:

Use your TRIOS to monitor developments in your patients' dental status over time and to gain insight for preventive care.



Visit 2



Visit 3

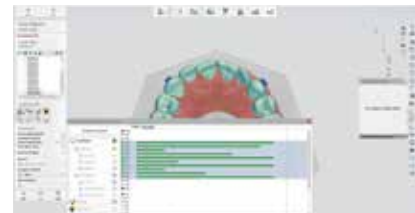


Difference Map

Digital Orthodontics

3Shape Clear Aligner Studio

Clear Aligner Studio is the fast and easy way to bring clear aligner into your lab's production workflow. Clear Aligner Studio's guided workflow takes you through the process and steps you need to complete clear aligner cases.



One integrated workflow

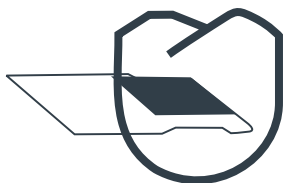
Quickly scan, design and prepare files for production using one integrated workflow.

Increased efficiency

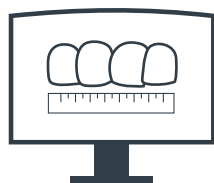
Save time & increase efficiency with new automated features: ID tagging, attachment placing and more.

Full treatment control

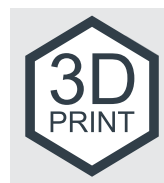
Get more control over tooth movements and improved visualization with enhanced setup and staging.



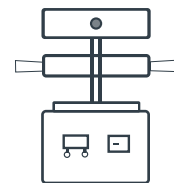
Scan



Design



3D Print



Vacuum Pressing

3Shape Splint Studio


3Shape brings you a completely new splint design software that enable you to easily design splints, Night Guards and Protectors with just a few clicks. Efficient digital design and manufacturing of splints gives you lab an attractive opportunity to add a new offering with high profitability.




Digital Implantology

Implant Studio™ - Surgical Guides at Lower Cost


Surface Scan & CBCT Scan

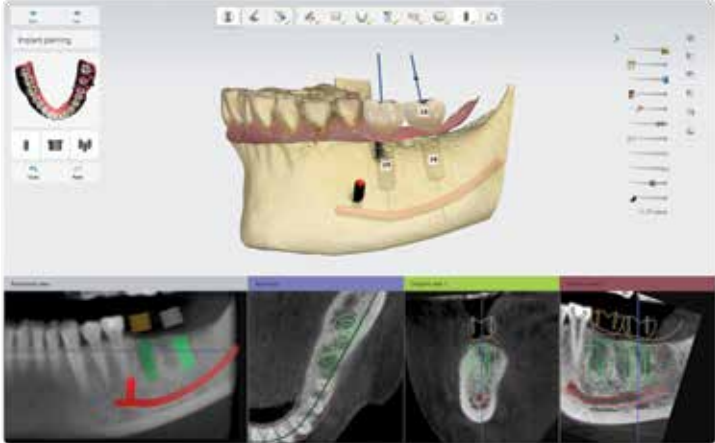


Prosthetic Setup




Implant Planning







Guided Surgery



Provisional & final restoration

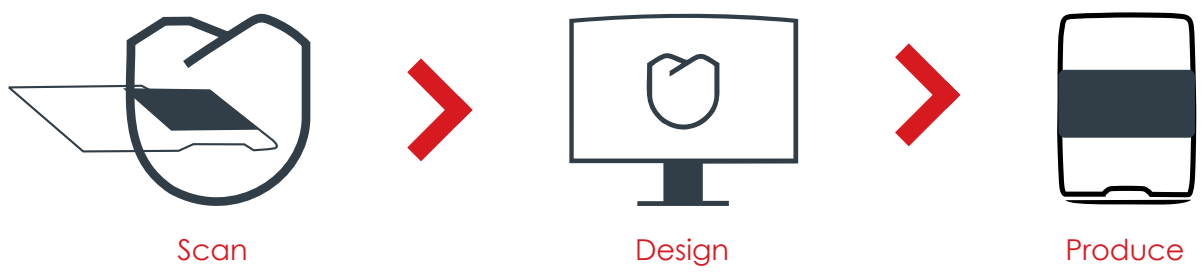


Design and produce guide



Trios Design Studio

Chair Side Dentistry



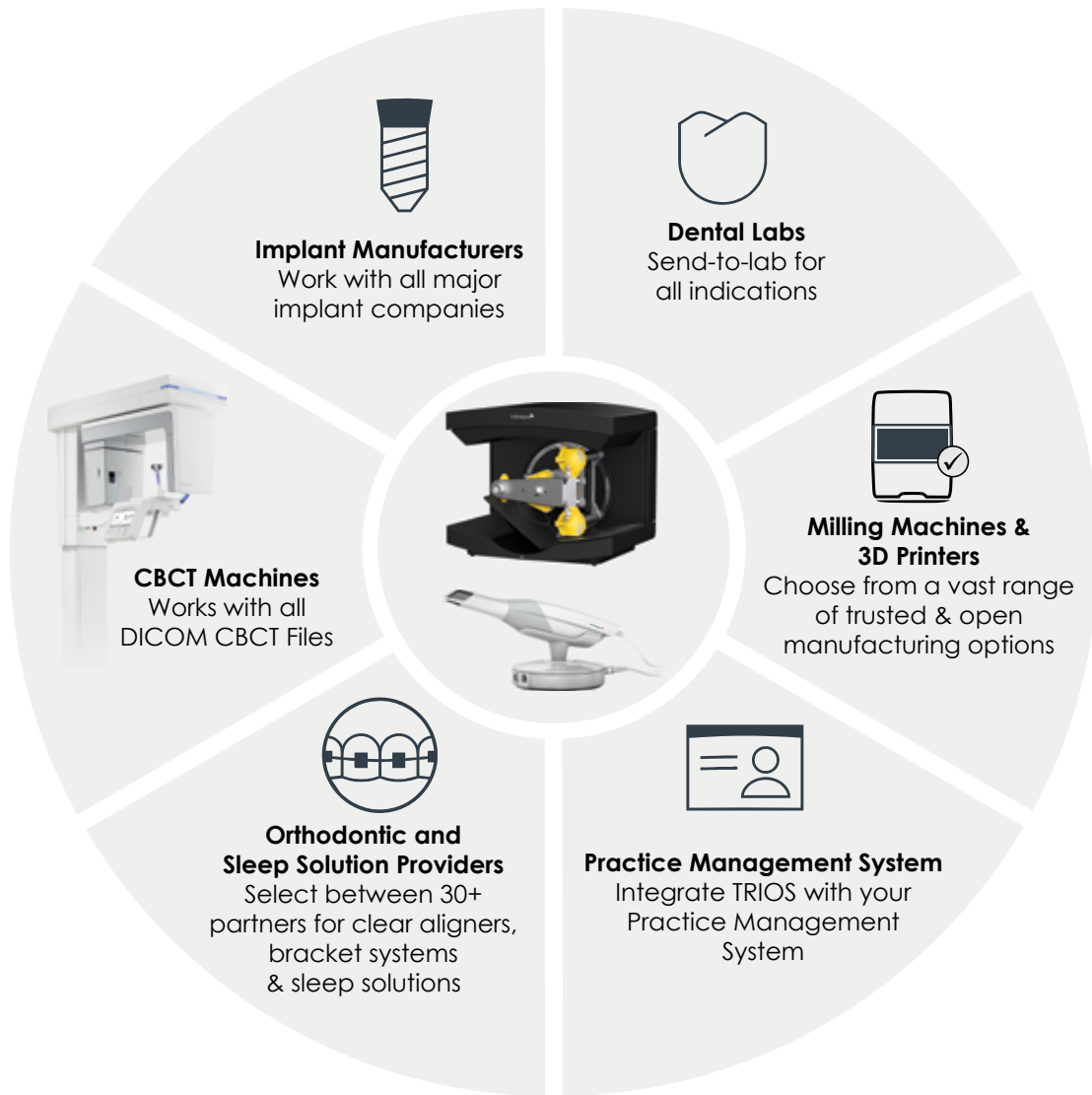
TRIOS Design Studio enables professionals to design and mill crowns, inlay/onlay, veneers and 3-unit bridges in the clinic in a simple and integrated workflow.

A range of 3rd party Trusted Connection mills are integrated via a validated in-house workflow. STL Export option for both scan and CAD files included for connection to other mills.

Details



- ✦ Exclusively sold with new or existing TRIOS subscriptions
- ✦ Full Trios Design Studio CAD CAM software included
- ✦ TRIOS Scan Export (STL) included
- ✦ CAD export (STL restoration design file) option included
- ✦ Mill specific software license (CAM) may apply- contact reseller/mill manufacturer for information

Open Eco System



Which TRIOS scanner is right for you?

There's a 3Shape TRIOS for everyone. Whichever model you choose, you benefit from industry-leading scanning experiences, and unparalleled clinic-to-lab workflows.

	<p>TRIOS 5 Wireless Intelligent. The ultimate TRIOS. Next-level ergonomics. Effortless scan technology. Hygienic by design.</p>	<p>TRIOS 3 Proven. The Trusted Choice. Proven scanning technology for a superior patient experience. Now without the need of a power adaptor, fewer cables, Simplified Scans</p>
		
Proven clinical accuracy	✓	✓
Realistic color scans	✓	✓
Automatic scan clean up	✓	✓
Access to Unite ecosystem	✓	✓
Print-ready model design	✓	✓
Patient engagement apps	✓	✓
MOVE+ compatibility	✓	✓
Full-mobility wireless scanning	✓	
TRIOS Share capability	✓	
Preventative care with surface caries detection	✓	
Enhanced tip features	Calibration-free scanning. Option of TRIOS Ready Tip	
Smart battery charging	✓	
Energy-saving sleep mode	✓	
ScanAssist intelligent-alignment technology	✓	
Sensory feedback guides scanning	✓	
Hygienic design	Sleeve & TRIOS Ready Tip	

SHINING 3D DENTAL

AccuFab-L4K

High-Precision Resin 3D Printer

A high-precision resin 3D printer that improves prototyping efficiency and shortens the new product development lifecycle.



HIGH
PRECISION



HIGH
RESOLUTION



HIGH
FIDELITY



MULTIPLE
ENGINEERING
MATERIALS



IT7
Accuracy



IT8
Accuracy



IT9
Accuracy



Technical Parameters: AccuFab-L4K 3D Printer	
Optical Spec	Resolution: 3840×2400
	Pixel Size: 0.05 mm
	Wavelength: 405 nm
	Light Intensity: 3 mw/cm ²
Print Spec	Light Source: UV LED + LCD
	Print Size: 192 mm×120 mm×180 mm
	Print Speed: 10~ 50 mm/h
	Tolerance: ±0.05 mm
Environment Spec	Layer Thickness: 0.025 / 0.05 / 0.075 / 0.1 mm
	Working Temperature: 20°C ~ 30° Working Humidity: 30% ~ 70%

Others	Connection: Wi-Fi/Ethernet/Thumbdrive
	Weight: 19 kg
	Printer Dimensions: 360 mm×360 mm×530 mm
Available Materials	SHINING 3D Engineering Material: White Material: TR01 S1; Yellow Material: Dm12; Transparent Material: SG01; Black Material: S2; Washable Material: W1
	BASF Engineering Material: Durable Material: ST45; ST80; Rigid Material: RG35; RG50; Flexible Material: Fl60; El150
	Third Party Certified Resin: Third party resin materials approved by SHINING 3D, also can be used in AccuFab-L4K High-Precision Resin 3D Printer

The Max 2.

Built to outperform.

Small in size, big on features.

Tried and tested, the Max 2 delivers consistency in the most demanding production environments.

- ✦ **Globally proven layer formation technologies:** Every single layer formed under a closely monitored process delivering exceptional consistency and performance.
- ✦ **Active Layer Monitoring:** Asiga's pioneering Smart Positioning System (SPS™) achieves precise layer thickness control of each and every layer, ensuring optimal print accuracy and speed.
- ✦ **DLP Micromirror Technology:** Achieve the highest standard of reliability with the broadest wavelength capability of any imaging technology.
- ✦ **Auto-Calibrating UV LED:** Combining the latest generation of high-power ultraviolet solid-state light sources with an integrated radiometer ensures years of consistent printing performance. 385nm LED as standard.
- ✦ **A simple user interface:** Navigate to your next build easily and then follow the prompts. The UI on the Max 2 will walk you through the process of starting the printer with simple messaging & clear infographics.
- ✦ **Transparent Mode™:** True water-clear resins can now be printed with extreme precision. Printing clear materials has never been this accurate.
- ✦ **Chamber heating:** Take advantage of a chamber heating system to warm your temperature sensitive materials ready for printing. Also did you know, a little heat helps reduce material viscosity allowing you to print faster!
- ✦ **Material Freedom:** Over 500 materials available. Experience the widest choice of materials on the market with unlimited and unrestricted access to many industry-leading materials for a variety of applications. Future-proof your business and stay up-to-date with the latest validated 3D print materials thanks to Asiga's Open Material Architecture.



Accessories	MAX2
Build Size xyz	119 x 67 x 76mm
Pixel size	62µm
Technology	DLP imaging with Asiga's integrated SPS™ technology and auto-calibrating LED power sensor
LED Wavelength	385nm UV industrial grade LED
Material System	Unrestricted and unlimited access to more than 500 industry-leading materials
Smart User Features	Intuitive user interface, 60-second calibration, Rapid material change-over
Software	Asiga Composer software. Lifetime updates included
File inputs	STL, SLC, PLY, STM (Asiga Stomp file format)
Power requirements	100-240VAC / 500Watts
System sizing	260 x 385 x 370mm Weight 19Kg 10.2 x x 15.2 x 14.5 inches Weight 42.6 Lbs



reddot winner 2024



GOOD DESIGN AWARD® WINNER

The Ultra

Predictable, reliable, smart.

Our most advanced 3D printer yet.

Unrivalled 3D print monitoring technologies

Engineered to deliver production continuity in any environment.

- ✦ **Active Layer Monitoring:** Asiga's pioneering Smart Positioning System (SPS™) achieves precise layer thickness control of each and every layer, ensuring optimal print accuracy and speed.
- ✦ **4K Imaging Resolution:** The latest high resolution imaging chipset delivers extraordinary resolution over a large build envelope.
- ✦ **Auto-Calibrating UV LED:** Combining the latest generation of high-power ultraviolet solid-state light sources with an integrated radiometer ensures years of consistent printing performance. 385nm LED as standard.
- ✦ **DLP Micromirror Technology:** Achieve the highest standard of reliability with the broadest wavelength capability of any imaging technology.
- ✦ **User features that actually make a difference:** No gimmicks. Functional, useful features to make your workflow easier.
- ✦ **Touchless Entry:** Interact with your 3D printer without contaminating surfaces or double handling. Give the Ultra a wave and watch the hood open effortlessly. Manual opening also possible!
- ✦ **Magnetic Platform Holder:** Streamline your workflow and be automation ready with the new magnetic build-platform holder. No latches, screws or calibration is necessary.
- ✦ **Infrared Material Heater:** Access a new generation of advanced materials with the infrared material heating system. Achieve temperatures up to 70°C.

Accessories	Ultra (32)	Ultra (50)
Build Volume X, Y, Z	119 x 67 x 130mm	189 x 106 x 130mm
Pixel Size	32µm	50µm
Technology	DLP	
Auto-calibrating UV LED	385nm (365nm and 405nm available on request)	
Material Compatibility	Use any one of over 500 qualified resins from the world's leading material manufacturers, or create your own.	
Software	Asiga Composer software. Lifetime updates included	
File Inputs	STL, SLC, PLY, STM (Asiga Stomp file format)	
Network Compatibility	Wifi, Wireless Direct, Ethernet	
Power Requirements	100-240VAC / 500Watts	
System Sizing	353 x 441 x 555mm Weight 32.5Kg 13.9 x 17.3 x 21.8 inches Weight 71.5 Lbs	



SONIC MIGHTY 12K 3D PRINTER

Technical Parameters: Sonic Mighty 12K

Printing Volume	21.8 X 12.3 X 23.5
Printing Speed	Avg. 400 layers / hour
XY Resolution	19 X 24 μ m
Layer Thickness	0.01-0.30 mm
Light Source	Linear Projection LED Module
LCD Specification	10.1" 12K Mono LCD (11520 X 5120 Pixel)
Operation	5" Touchscreen Panel
Slicer Software	CHITUBOX VI 1.9.4 & above
Compatible File Format	CTB, PRZ

Connectivity	USB, Ethernet, Wi-Fi
Printer Size	33.7 X 33.7 X 51.6 cm
Printer Weight	14.3 kg
Power Requirement	DC 24V, 5A
System Power	120W
Rail System	Dual Linear Rails
Z-Axis Screw	Lead Screw
Release Film	nFEP Film

Sonic Mighty 12K 3D Printer

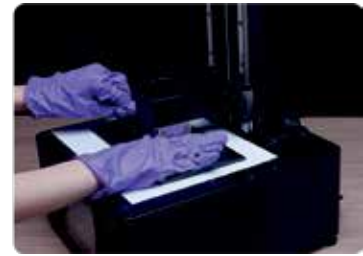
The Mighty You Love, Now in 12K



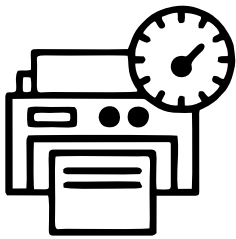
Reliable 12K
Printing Quality



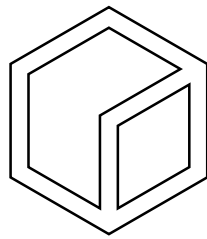
10" LCD for Bigger
Possibilities



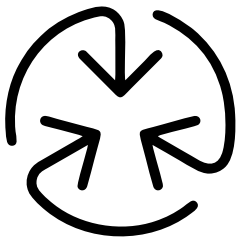
Intuitive, User Friendly
Experience



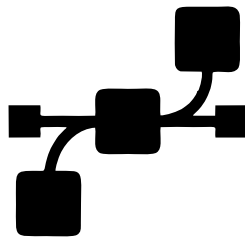
Fast Printing
Speed



Durable
Construction



Versatile Software
Compatibility



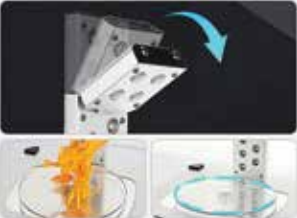
Multi-Connectivity
Options



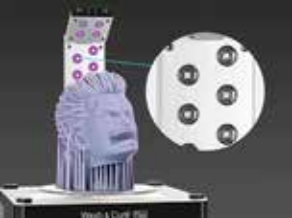
Wash & Cure Plus-Dual Purpose

Inherit the features of previous generation and explore larger size and more powerful performance.

Wash & Cure Key Parameters	
Machine	Wash and Cure Plus
Control Method	Digital Tube, LED Indicator, Control Knob
Power	40W
Input Voltage	AC 110V/220V ±10%
UV Lights	405 nm
Machine Size	290mm(L)*270mm(W)*479mm(H)
Washing Size	192mm(L)*120mm(W)*290mm(H)
Curing Size	190mm(D)*245mm(H)
Weight	~6.5kg



360° Curing
Equipped with L-shape strip light & reflective mirror sticker



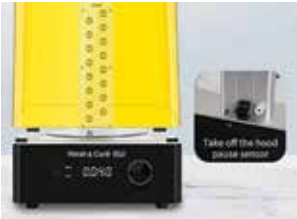
Upgraded UV Lamp Beads
Added with optical lens for even and thorough Curing



More Powerful Washing
Multiple washing methods for more flexible model cleaning



Stronger Cleaning Power
The super-large cleaning vortex allows the liquid to clean every part of the model



Safer To Use
Automatically pause when the cover is removed



Anti-UV light Cover
Blocks 99.95% 405nm wavelength UV light



Easier Mode Switching
1-60min time selections provide more choices for washing & curing



Enclosed Washing Bucket
The washing bucket can accommodate larger size models

Standard Resins

A Top Choice for Entry-Level Users

LIGHT BEIGE



GRAY



Classic Formula for Entry-Level Users

As the best-selling resin, standard resin delivers balanced performance in terms of printing success rate, stickiness with the print bed, model details, printing precision, hardness, resilience, smell, fluidity, and ease in cleaning.

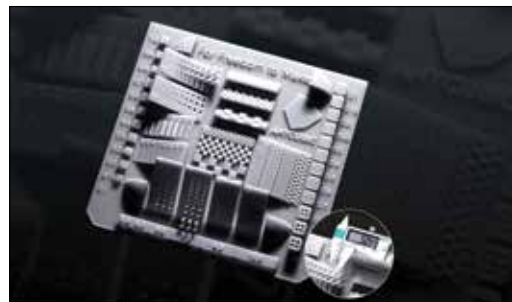


General Resin with Balanced Performance

Standard Resin can satisfy users' requirements regarding the material performance of general resin, as it delivers balanced performance in terms of stiffness, hardness, resilience, and details.

High Model Precision

Molding precision is within +0.2mm. Based on the energy uniformity of the equipment, the molding precision can be controlled within ± 0.1 mm, so as to deliver good details, characteristic details, and sound hole effect.



SHINING DENT 3D Printing Materials

DM12 Implant Model (Geller Model)

Dental Model DM12 is the ideal choice for printing separated models for crown and bridge application. DM12 optimizes model precision through its lower elasticity and higher flexural modulus compared to the previous DM11. The hardness and mechanical properties of the cured resin allows the DM12 to resist abrasion during seating and finishing for crown and bridge cases, ensuring a perfect fit every time. The yellow color offers maximum detection of margin lines and adjacent contours, and cleanup is easy thanks to the low viscosity of the resin.

Low viscosity, high stability



DM03 Implant Model (Grey)

Dental model DM03 is the ideal choice for printing implant models and separated models for C&B applications. This material has features including high toughness, high pressure resistance, etc. This allows the best experience when using for implant models. The hardness and mechanical properties of cured resin allows DM03 to resist abrasion and tearing force during seating and finishing implant cases, ensuring perfect cases every time. The grey colour allows the perfect performance in model details. DM03 is recommended to place at room temperature 23 ± 2 with humidity $< 70\%$

Accuracy of printed curing model:

Within 10 days >90% | Within 15 days >85%

SG01 Surgical Guide

Surgical Guide SG01 is a clear and biocompatible resin intended for printing dental surgical guides. It is certified by FDA as Class I medical instrument and meets ISO 10993 standards, making it ideal for customized, non-implantable use with body contact limited to 24 hours. SG01 is a rigid polymer with minimal flex, which allows it to maintain its form during dental surgeries.

Biocompatible, transparent



Compressor

Special Dry Air Compressor for CAD CAM Solutions



With Dry Membrane



- ✦ **Reduced Moisture Content:** Delivers air with minimal moisture, essential for accurate bonding and material setting in dental procedures.
- ✦ **Enhanced Equipment Longevity:** Prevents moisture-induced corrosion, protecting sensitive CAD/CAM equipment like milling machines and scanners.
- ✦ **Improved Accuracy and Quality:** Ensures consistent material properties and accurate fitting of dental restorations by eliminating moisture-related warping.
- ✦ **Reduced Risk of Contamination:** Lowers the likelihood of bacterial growth by minimizing moisture, crucial for maintaining a sterile dental environment.
- ✦ **Better Patient Experience:** Reduces spray and splatter during procedures, enhancing comfort, and ensures high-quality restorations for patient satisfaction.
- ✦ **Increased Efficiency:** Minimizes equipment malfunctions and material distortions due to moisture, streamlining dental procedures and saving time.

Specification	1 HP	3 HP	4 HP	5 HP
Power (kw)	1kw/1HP	2.25kw/3HP	3kw/4HP	3.3kw
Max flow (L/min)	152	410	547	621
0.5MPa Airflow (L/min)	78	211	281	324
Noise dB(A)	≤68	≤70	≤71	≤75
Tank (L)	40	70	100	150
Package Dimension (mm)	450×450×730	1030×640×880	1210×710×920	1480×630×1000
Gross Weight (kg)	31.5	91	127	158
Dryer	-	In-built	In-built	In-built

Smart | Accurate | Reliable

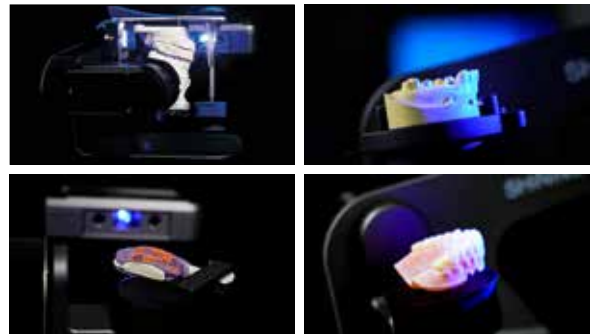
DENTAL LAB CAD CAM



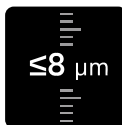
AutoScan-DS-EX Pro (H)

Embrace The 5.0 MP Era

AutoScan-DS-EX Pro(H), developed and manufactured by SHINING 3D, is a 3D dental scanner with powerful functions for multiple applications covering scans of impressions, plaster models, articulators, implant abutments, etc. Its high-resolution cameras, advanced algorithms, and user-friendly interface bring you with superior data quality with optimal experience.



Advanced Desktop Scanner



Ultra-high Accuracy: Scan accuracy $\leq 8 \mu\text{m}$ assures reliable scan result, satisfying the requirement of various applications in dental industry completely. abutments, etc. Its high-resolution cameras, advanced algorithms, and user-friendly interface bring you with superior data quality with optimal experience.



Unparalleled Details: Equipped with dual 5.0 MP high resolution cameras, AutoScan-DS-EX Pro(H) can capture every detail of the components meticulously.



Fast Speed: Bite scan: 7s
Upper/Lower jaw scan: 14s
1~4 dies scan: 18s
5~8 dies scan: 30s
Impression scan: 66s

AutoScan-DS-EX Pro (H)

Flexible Workflow: Set up your own workflow as you prefer, increasing work efficiency like never before, all-in-one and triple tray are available to get complete scan data with less steps.

Backstage Data Processing: Scan and backstage data processing can be carried out simultaneously, making the whole process more efficient.

Versatile Scan Modes: The new software associated with AutoScan-DS-EX Pro(H) can support versatile scan modes, including Multi Path Scan, High Quality Scan, AI Scan, Texture Scan, HDR Mode Scan, Reduce High Brightness Scan, etc.



Implant Abutment



Implant Bridge



Scanbody



Texture



Model



Articulator



Full Denture



Impression



Post and Core

AutoScan-DS-EX Pro (H) Specifications

Camera Resolution	2*5.0 MP
Accuracy	≤ 8 μm
Scan Time	Bite scan: 7s; Upper/Lower jaw scan: 14s; 1~4 dies scan: 18s; 5~8 dies scan: 30s; Impression scan: 66s
Articulator Scan	Support articulator transfer
Output Format	STL, PLY, OBJ
Light Source	Blue Light
Dimension	385*260*270 mm
Weight	5.0 Kg
Interface	USB 3.0
Power Supply	DC 24V

AutoScan-DS-EX Pro (C)

Embrace The 2.4 MP Era



New Upgrades, More Distinguished

AutoScan-DS-EX Pro (C) Specifications	
Camera Resolution	2.4 MP
Scan Time	8 s for bite scan; 12 s for upper / lower jaw scan; 13 s for 1-4 dies scan; 21 s for 5-8 dies scan; 58 s for impression scan
Output Format	STL / OBJ / PLY
Light Source	Blue light
Dimensions	260x270x420 mm
Weight	5 kg
Interface	USB 3.0
Power Supply	Dc24 V

AutoScan-DS-EX Pro (C)

All-IN-ONE SCAN

This new all-in-one scan method allows scan of quadrant models and dies at the same time, which largely simplifies the scan process and improve the scan efficiency by almost 50%

Conventional
4 Steps



1 Bite



2. Upper



3. Lower



4. Die

All-in-one
2 Steps



1 Bite



2. All-in-one

EVEN FASTER SCAN SPEED

With increased scan speed, a single jaw scan can be finished in 12 seconds. The entire process of a separate-die order can be completed within 2 minutes and a non-separated-die order within 2.5 minutes.



Bite
8s



1-8 Dies
13-21s



Single Jaw
12s



Impression
58s

TEXTURE SCAN

Clearly captures the textures and marks on the plaster model, assisting technicians to finish the digital partial framework design.



3shape 

UNICORN DenMart ®
Behind The Best Indian Dentists

Stay up to speed with 3Shape Generation Red Lab Scanners

3Shape E2, E3 & E4 scanners have been upgraded to the same next generation scanning platform as E4 to deliver 20% more speed than before. Designed with a signature red ring, Generation Red E scanners provide optimized productivity.



20% faster

Red Lab Scanners

E2

Increases productivity and texture scanning



- ✦ 2 x 5 MP cameras, Blue LED Multiline
- ✦ Accuracy (ISO 12836 / implant): 10 µm/12 µm
- ✦ Scan speed (arch): 24 sec
- ✦ Scan speed (full arch impression): 72 sec
- ✦ Texture: B&W
- ✦ Scanning Strategy: Standard

E3

High performance and implant bar accuracy



- ✦ 2 x 5 MP cameras, Blue LED Multiline
- ✦ Accuracy (ISO 12836/study model): 7 µm/10 µm
- ✦ Scan speed (arch): 18 sec
- ✦ Scan speed (full arch impression): 64 sec
- ✦ Texture: Color
- ✦ Scanning Strategy: Standard

E4

Ultra-high speed and accuracy



- ✦ 4 x 5 MP cameras
- ✦ Accuracy (ISO 12836): 4 µm
- ✦ Scan speed (full arch): 9 sec
- ✦ Scan speed (full arch impression): 45 sec
- ✦ Texture: Color
- ✦ Scanning Strategy: Die-in-model

F8

Fast forward to design



- ✦ 4 x 5 MP cameras
- ✦ Accuracy (ISO 12836): 4 µm
- ✦ Scan speed (full arch): 9 sec
- ✦ Scan speed (full arch impression): 45 sec
- ✦ Texture: Color
- ✦ Scanning Strategy: All-in-one / die in model

Additional Accessories (Optional)



Multi Die Fixture



Two Cast Fixture



Impression Fixture



Wax Fixture



Occlusal Setup Tool

Lab Scanner - Configurations

	Scanner	E2	E3	E4	F8
Scanner features	Camera	2x5MP	2x5MP	4x5MP	4x5MP
	Accuracy	10 µm	7 µm	4 µm	4 µm
	Scan Speed (Full Arch)	24 sec	18 sec	9 sec	9 sec
	Scan Speed (Full Arch Impression)	72 sec	64 sec	45 sec	45 sec
	Texture	B/W	Color	Color	Color
	Scanning strategy	Standard	Standard	Die in model	All-in-one / Die in Model
	Dual model scanning	X	X	X	✓
	Scanner connection	USB	USB	USB	Ethernet
	Auto-start	✓	✓	✓	✓
	Tilt-free scanning	X	X	X	✓
	Support additional indication tools	Yes	Yes*	Yes*	Yes + F8 Tools
Server client set-up	✓	✓	✓	✓	
Software and apps	ScanIt Dental scanner software	✓	✓	✓	✓
	Dental System (with option for cheaper scale-up)	Add-on	Add-on	Add-on	Add-on
	Studio Apps	Add-on	Add-on	Add-on	Add-on
	3Shape LMS (Essentials free / Premium paid)	✓	✓	✓	✓
Service & support	Warranty with LabCare	5 Years	5 years	5 Years	5 years
	Express replacement	X	X	X	✓

*No support for F8 specific tools

Choose Your Design Software

Complete Restorative

Get all indications from Premium & Removable Packages plus all available restorative add-ons to design abutments, implant bars, models and more at an attractive price.

Crown & Bridge

Design full anatomies, bridges, copings, frameworks and wax-ups. Use CAD points to provide advanced indications.

Scan Only

The easy way to go digital! Receive TRIOS cases or Scan gypsum models and send to an external design service.

Premium

Design all indications from the Crown & Bridge package plus splints, digital temps, digital smile design, RealView, telescopes, post & core and more.

Removable

For labs that specialize in providing full and partial dentures.

Optional Add-Ons and CAD Points

Supplement your solution with add-on modules to offer abutments, implant bars and bridges, models, dentures and more or purchase CAD Points to use on case-by-case basis

Dental System - Software Configurations

CAD Indications	Dental System™ Complete Restorative	Dental System™ Premium	Dental System™ Crown & Bridge	Dental System™ Removable
Copings & bridge frameworks	✓	✓	✓	✓
Anatomical copings & bridge framework	✓	✓	✓	
Full anatomical crowns & bridges	✓	✓	✓	✓
Gingiva on all indications	✓	✓	CAD Points / Upgrade	
Single wax up / Wax up bridge	✓	✓	✓	
Inlay / Onlay / Inlay bridge / Veneers	✓	✓	✓	Upgrade
Multi-layer crowns & bridges	✓	✓	CAD Points / Upgrade	Upgrade
Digital temporaries	✓	✓	CAD Points / Upgrade	Upgrade
Virtual diagnostic wax-ups	✓	✓	CAD Points / Upgrade	Upgrade
Post & core	✓	✓	CAD Points / Upgrade	Upgrade
Telescopes	✓	✓	CAD Points / Upgrade	Upgrade
Customized abutments & screw-retained crowns	✓	Add-on / CAD Points	Add-on / CAD Points	Add-on / CAD Points
Implant bars and bridges	✓	Add-on / CAD Points	Add-on / CAD Points	Add-on / CAD Points
Full dentures	✓	Add-on / CAD Points	Add-on / CAD Points	✓
Removable partial dentures	✓	Add-on / CAD Points	Add-on / CAD Points	✓
Customized impression trays	✓	✓	CAD Points / Upgrade	✓
Model Builder™	✓	Add-on / CAD Points	Add-on / CAD Points	Upgrade
Positioning Guides	✓	✓	CAD Points / Upgrade	Upgrade
Splints, night guards and protectors	✓	✓	CAD Points / Upgrade	Upgrade
Ortho system	Add-on	Add-on	Add-on	Add-on
Implant planning & surgical guides	Add-on	Add-on	Add-on	Add-on
Advanced Tools				
Smile composer™ including sculpt toolkit	✓	✓	✓	✓
Mirroring teeth	✓	✓	✓	✓
Simultaneous modeling on upper & lower	✓	✓	✓	✓
Dynamic virtual articulation	✓	✓	✓	✓
Attachments	✓	✓	✓	✓
Realview™ engine with 2D design guidelines	✓	✓	Upgrade	✓
Align and re-use design	✓	✓	✓	✓
CAD block placement	✓	✓	✓	✓
3Shape communicate™ (2GB storage included)	✓	✓	✓	✓
TRIOS® inbox & shade measurement	✓	✓	✓	✓
Basic / Expert mode	✓	✓	✓	✓
Advanced design validation tools	✓	✓	✓	✓
Manufacturing Inbox™	50 Connections	50 Connections	50 Connections	50 Connections
Full manufacturing equipment compatibility	✓	✓	✓	✓
3Shape LABcare™ included in subscription	✓	✓	✓	✓

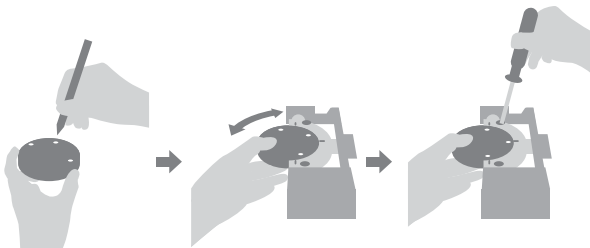
✓	Included in the specific Dental System™ Software version
Add-on / CAD Points	You can either use CAD points for each case or purchase of add-on module (sold separately)
Upgrade	Requires upgrade to Dental System™ Premium edition / Complete Restorative (Sold Separately)
CAD Points / Upgrade	You can either use CAD points for each case or upgrade to Dental System™ Premium edition (sold separately)
Not Available	Not available for this scanner model / software version

DWX-52Di Plus

Precision Performer and Efficiency Expert

Introducing the New DWX 52Di Plus 5-Axis Dental Mill for Maximum Efficiency and Production

When designing this new model of the industry's best-selling series of dental mill. It was important to keep everything users love. Then make it even better, capable of producing a wide range of restorations, including crowns, copings, bridges, inlays and onlays, veneers, abutments, implant bars, screw-retained crowns, the DWX-52Di Plus 5-Axis dental mill offers a high reliable, precise, enhanced capabilities to make your lab more efficient and productive.



New C-type Clamping System

The new C-type clamp system for 98.5mm discs offers fast and secure set-up of Zirconia, Wax, PMMA, gypsum, PEEK, glass fiber-reinforced resin, composite resin and CoCr sinter metal materials. The new C-type clamp enables greater material utilization.



More Comprehensive Solution

The DWX-52Di Plus 5-Axis dental mill can produce a wide range of restorations, including crowns, copings, bridges, inlays and onlays, veneers, abutments, implant bars, screw-retained crowns.

DWX-52Di Plus

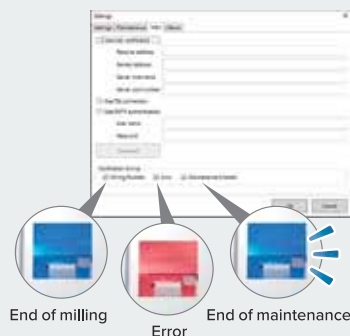


15-Station Automatic Tool Changer (ATC)

The DWX-52Di Plus provides continuous, unattended milling with a 15-station Automatic Tool Changer (ATC) and includes dedicated slot for an included cleaning tool. Now you can load the included cleaning tool into the ATC and set it up to automatically sweep away zirconia powder and other material dust for a cleaner milling surface.

User-friendly Design

A user-friendly Virtual Machine Panel (Vpanel) enables convenient production and device monitoring from computer. Email notifications keep you informed of operational status, including milling and maintenance completion, or any errors in order to minimize down time.



Precision 5-Axis Milling

The DWX-52Di Plus simultaneously rotates and tilts discs for deep undercuts and milling large arch applications and other full-mouth restorations with ease.

Intelligent Tool Control

VPanel operation has upgraded to include the Intelligent Tool Control function that intuitively swaps out tools from their stocker position when they have reached their user-defined lifespan with a designated replacement tool without needing to pause production.

Comprehensive Support Network

In addition to online or telephone assistance, DGSHAPE also offers educational seminars aimed at increasing customers' familiarity and confidence with products and services. Service engineers are also available worldwide to assist customers with any questions they may have.



DWX-52Di Plus

Specifications	
Millable Material	Zirconia, Wax, PMMA, Composite Resin, PEEK, Gypsum, Glass-Fiber-Reinforced Resin
Loadable workpiece shape	Disc-type (with step) Step section: 98.5 mm (3.88 in.) (diameter), height 10 mm (0.39 in.) Body section: 95 mm (3.74 in.) (diameter), height max. 60 mm (2.36 in.)
Operating speed	XYZ axis: 6 to 1,800 mm/min. (0.24 to 70.9 in./min.)
Spindle motor	Brushless DC Motor
Spindle rotating speed	6,000 to 30,000 rpm
Rotary axis travel angle	A: $\pm 360^\circ$, B: $\pm 30^\circ$
Number of milling burs housed	15
Attachable milling bur	Shank diameter: 4 mm (0.16 in.), Length: 40 to 55 mm (1.57 to 2.17 in.)
Compatible compressed air	0.02 to 0.2 Mpa
Control command set	RML-1, NC code
Interface	USB
Power requirements	AC 100 V to 240 V $\pm 10\%$, 50/60 Hz (overvoltage category II, IEC60664-1), 2.0 A
Power Consumption	Approx. 200 W
Operating noise	During operating: 70 dB (A) or less (when not cutting), During standby: 45 dB (A) or less
External dimensions	Width x Depth x Height: 495 x 660 x 600 mm (19.5 x 26.0 x 23.6 in.)
Weight	67 kg (147.7 lbs.)
Installation environment	Indoor use, Altitude: Up to 2,000 m (6,562 ft.), Temperature: 5 to 40°C (41 to 104° F), Humidity: 35 to 80% (no condensation), Ambient pollution degree: 2 (as specified by IEC 60664-1), Short-term temporary overvoltage: 1,440 V, Long-term temporary overvoltage: 490V
Included Items	Power cord, USB cable, Manuals, DGSHAPE Software Package CD, Detection pin, Automatic correction jig, Material Adapter Rack, Pin-type material adapter, Hexagonal driver, Spanner (for clamp), Spanner (for spindle), Milling bur holders, Milling bur positioner, Cleaning tool, Option adapter ID labels, Dust collection hoses, Dust collection hose adapter, Regulator, Cleaning brush etc.

DWX-52D Plus

New Clamping System:

A new snap-on clamp system with 6 included adapters for 98.5mm discs offer fast and secure set-up of different materials.

User-friendly Design:

A user-friendly Virtual Machine Panel (Vpanel) enables convenient production and device monitoring from your computer.

Adaptor Rack for Increased Efficiency:

6 adapters for 98.5mm material discs are included as standard with the DWX- 52D Plus allowing you to queue up multiple milling jobs for efficient job management. An optional disc adapter rack is also available.



Specifications	
Millable Material	Zirconia, Wax, PMMA, Composite resin, PEEK, Gypsum, Glass fiber reinforced resin
Spindle Rotating Speed	6,000 to 30,000 rpm
Rotary Axis Travel Angle	A : $\pm 360^\circ$, B: $\pm 30^\circ$
Number Of Milling Burs Housed	15
Compatible Compressed Air	0.02 to 0.2 Mpa
Interface	USB
Power Consumption	Approx. 200 W
Weight	67 KG (147.7 lbs.)

DWX-43W

DGSHAPE's introducing the DWX-43W wet milling solution brings faster milling times for traditional ceramics and custom titanium abutments while reducing operating costs and increasing ROI.

- ✦ Faster Milling Times
- ✦ No More Costly Filters
- ✦ Reduced Routine Maintenance
- ✦ Expanded Milling Capabilities Built-In
- ✦ DGSHAPE CAM Software & Bonus Tooling Included

Faster Milling Times: New DGSHAPE CAM dedicated CAM software included with purchase decreases milling times by up to 20% while increasing milling efficiency and predictability. Use the "quick mill" option to select frequently used materials and start milling with ease and precision.

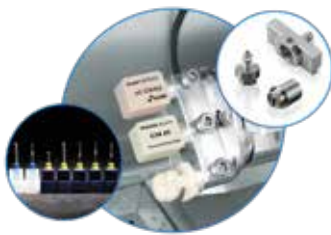


Reduce the Cost of Use... "NO Filters Required!"
New Filter-Free technology eliminates the need for costly coolant tank filters, reducing the cost of use by 20%...Exclusive to the new DWX-43W.



Increased Productivity Means Increased ROI!

Milling downtime costs time and money for your dental business. The new DWX-43W's Coolant Optimization and Draining Cycle automatically rinses the milling chamber with coolant every 12 hours and minimizes overall user maintenance. That's maximizing ROI.



Hot off the "Mill"... New DWX-43W comes with Perks!

- ✦ Added Value: Includes a total of 15 authentic DGSHAPE wet milling tools for greater ROI and get you up and milling.
- ✦ New internal material adapter and coolant tank tray designs are compatible with the AK-1 Material Adapters (AK-1-ME, AK-1-DE, AK-1-GE) for milling of Custom Titanium Abutments with pre-mill blanks from MEDENTiKA®, DESS®, and GeoMEDI®.
- ✦ Mill 6 units at a time with the 6-pin material adapter (#ZV-42W) accessory for expanded milling capabilities and productivity. - Now Included.

Versatile Performer for In-House Production: The DWX-43W mills a wide variety of materials, including sintered zirconia, glass ceramics, composite resins, hybrid-ceramics, and PMMA, consistently and accurately producing small-bridges, single crowns, screw-retained crowns, veneers, inlays, onlays, & copings.



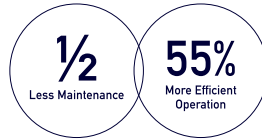
- ✦ Glass Ceramics
- ✦ Composite Resin
- ✦ PEEK
- ✦ Sintered Zirconia
- ✦ PMMA
- ✦ Titanium Alloy

Automated Maintenance Features Save Time

Tank cover folds flat for easier access



Auto-rinse every 12 hours



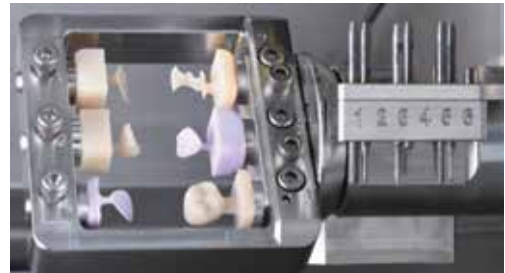
Vpanel for DWX



Faster Milled Production

The included multi-pin clamp accessory saves you time, allowing you to add up to six units simultaneously and batch mill without compromising quality

6 Mill up to applications simultaneously



Stay Tuned-In to Tune-Up with DGSHAPE Insights



Specifications	
Compatible Materials	Traditional & Pre-Crystallized Lithium Disilicates, Glass Ceramics, PMMA, Hybrid Ceramics, Chairside Zirconia-Powered by Roland DGA, Composite Resins, and Pre-Mill Titanium Blanks
Spindle Speed	15,000 to 60,000 RPM
Rotary Axis Travel Angle	A Axis : ± 3600,
Air Requirements	Pressure: 0.2 Mpa or More Capacity: 39 L/min or More
External Dimensions	19 in. x 22 in. x 23.6 in. (WDXH)
Weight	134.48 lbs (61 kg)
Abutment Material Adapter Compatibility	AK-1-ME (MEDENTIKA®), AK-1-DE (DESS®), and AK-1-GE (GeoMEDI®)
Automatic Tool Changer	Houses 6 Milling Tools
Additional Features	Filter-less Coolant Tank Technology, Enclosure System, and Automatic Draining Cycle
Accessories Included	DGSHAPE CAM Software, 6-Pin Material Adapter (#ZV-42W), ZGB2-125D (3), ZGB2-125DS (1), ZGB2-75D (1), ZGB2-50D (3), ZGB2-25D (1), ZGB-125D (3), and ZGB-50D (3)
Interface	USB / LAN Connectivity
Loadable Workpiece	3 Standard Mandrel Material CAD/CAM Blocks with Internal Adapter 6 Standard Mandrel Material CAD/CAM Blocks with Included 6-Pin Adapter

NeoMill

Engineered for Speed, Precision & Stability

A Next-Gen Milling Solution for Efficient, Reliable, High-precision Workflows.

NeoMill is a high-performance 5-axis dental milling machine built for precise, reliable restorations. Supporting both dry and wet milling, it delivers speed, accuracy, and material versatility for modern dental labs and advanced clinics. With intelligent tool management, robust construction, and consistent output, NeoMill is ideal for crowns, bridges, and implant restorations.

Compatible Materials:

Titanium

Pre-Milled

Glass Ceramics

Zirconia

PMMA

Wax

PEEK



5
Axis

14 Tool Auto
Changer

Dry & Wet
Modes

Mill

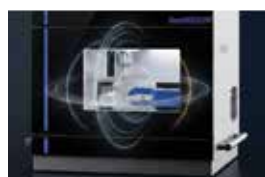
Up to
60,000 RPM

Technical Highlights

- ✦ High speed metal milling with powerful spindle
- ✦ Expanded 14 tools magazines for uninterrupted milling
- ✦ Milling of all important materials used in the dental field
- ✦ B-axis tilt angle up to 30°
- ✦ High frequency spindle with up to 60,000 rpm
- ✦ Integrated control PC with touch screen
- ✦ Servo motors on all axes
- ✦ Chip protection of the tool changer



Dual Mode
Dry & Wet Milling



Simultaneous
5-axis Milling



Powerful Spindle
up to 60,000 RPM



14 -Tool Automatic Changer
Reduced manual intervention



PEEK



Glass Ceramics



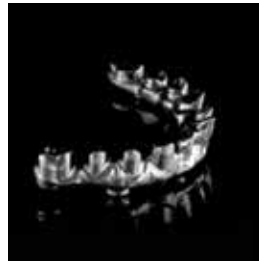
Abutment



HPP



Removable Denture



Implant Bridge



Implant Bar



Crowns

Strong Spindle Power

Equipped with powerful 1.8kw spindle power to ensure the milling precision and stability. (Option for upgrade to 2.5KW spindle)

Up to 60,000rpm rotating speed, capable of milling different kinds of materials for implant restorations, also for glass ceramic and premill abutment of the daily work for dental laboratories



Precise and stable milling

JDM5DW dental titanium metal milling machine uses Meehanite cast iron for its main structure material, also with its one-piece body molding, no weldings are needed, which makes the milling machine much heavier but more stable in milling the titanium restorations,.

It can mill various restorations, such as implant bridge (All-on-4 and All-on-6 implant bridge) and implant bar, titanium crown, titanium premill abutment and different materials such as titanium, soft co-cr, glass ceramic, etc.

Technical Specification			
Machine Type	5-Axis Dental Milling Machine	Net Weight	233 kg
Machine Power	3.5 kW	Input Voltage	220V
A Axis Milling Angle	360°	Average Milling Time for Glass Ceramic	15-30 minutes
B Axis Milling Angle	+30° to -90°	Average Milling Time for Titanium Crown	15-20 minutes
Machine Size	642 × 642 × 722 mm (excluding foot cups)	Average Milling Time for Implant Bridge	90-180 minutes
Spindle Speed	60,000 RPM	Average Milling Time for Abutment	8-13 minutes

DeskFab X1

All-in-one True Desktop

True Desktop Metal 3D Printer



CE
CE Safety
Certificated

FDA
FDA Laser Safety
Registration
Certification

Certification Integrated, ultimate space

- ✦ Dimension: 600×650×800 mm
- ✦ Floor area: 0.39 m²



Maintenance-free for lifetime. Zero cost

- ✦ Life time of filter is more than 30,000 hours. The cost is almost "0" compare with replaceable filter
- ✦ No operation of disassembly/installation avoid risks for explosion



One-click typeset, one-click print, master the metal 3d printer without skills

- ✦ One-click AI typesetting: FastLayer automatically complete dental crowns typesetting within 5 mins
- ✦ One-click print: FastFab one-click printing function



Multi-functions, multi materials exchangeable

- ✦ Modularize powder tank available to change CoCr Titanium etc



Fool-proof construction design, easy installation

- ✦ Four different color pipe design no mistake connection



LFPT (Laser Following Powder Technology)

- ✦ Fastform special designed LFPT increases printing efficiency more than 20%



Product Parameters	
Product Model	DeskFab X1
Printer Dimensions	600mm×650mm×800mm (L×D×H)
Machine Weight	140kg
Build Size	φ100×75mm
Laser Power	300W
Number of Lasers	Single
Power feeding Type	Top power feeding, one-way recoating
Recoater Type	Flexible Soft Blade
Baseplate Installation	Quick-release magnetic fixed
Filtration Lifetime	Permanent Filter ≥30,000 Hours
Printable Materials	Cobalt–chromium alloy, Titanium Alloy, Pure Titanium, etc.
Software	FastLayer Splicing Software & FastFab control Software
Power Output	1.2kW
Protective Gas	N2, Ar
Build Rate	100 crowns or 7 partial denture / 3 h

Accessories



Nitrogen Generator



Vacuum Cleaner



Electric Shovel Tools



Drying Oven



Screening Machine/
or Sieving Machine



Water Cooled Chiller



Voltage Stabilizer



Muffle Furnace



Air Compressor

FF-M140C 3D SLM Printer 3D printing machine for dental metal additive manufacturer

Quality advantage

- ✦ Stabilized optical system
- ✦ Self-developed software for one-button automatic typesetting, specially customized for dentistry.

Efficiency advantage

- ✦ 150 crowns / 5 hours. 15 frameworks / 6 hours
- ✦ Permanent filter, high powder utilization rate.
- ✦ The crown veneer can complete typesetting and data processing in 5 minutes at the earliest.

Security advantage

- ✦ > 5 years of verification, has formed an independent and perfect safety production process.
- ✦ Bring your own camera, support remote monitoring and operation, and monitor the production status anytime and anywhere.
- ✦ Integrated welding structure, strong stability and convenient installation.



Accessories



Nitrogen Generator



Vacuum Cleaner



Sawing Machine



Drying Oven



Screening Machine/
or Sieving Machine



Water Cooled Chiller



Voltage Stabilizer



Muffle Furnace



Air Compressor

Product Parameters	
Product Model	FastForm FF-M140C
Print volume	Dia 140mmx100mm
Spot size	50-80um
Scraper Type	Flexible scraper
Laser power	500W
Average power consumption	1.5KW
Minimum oxygen content	0.1%
Substrate fixing method	Quick installation substrate/screw fixation
Galvanometer scanning speed	0~10m/s
Typesetting method	fully automatic type setting and path planning
Whether to support continuous print after power failure	Yes
Printable materials	CoCr,TC4,Pure Ti
Dimension	1050x870x1750mm(LxDxH)
Powder layer thickness	0.02-0.15mm
Number of lasers	single laser
Power supply type	single phase 220v
Protective gas	nitrogen,argon
Cooling method	water cooling
Powder spreading method	Upper powder feeding
Dimensional accuracy	±0.05mm
The maximum amount of powder added at a time	2.5L
Whether to support automatic shutdown	Yes
Filter life	Permanent filter, service life not less than 30,000 hours

SILENT Compact CAM Suction

A SILENT SUCTION COMPACT CAM from Renfert Germany specially designed for your cam functioning. It's an silent dust collector suction which collect waste powder from your milling machine specially zirconia. Its an compact bag free extraction unit specially for compact dental cam units.



Advantages

- ✦ Bi-directional communication between extraction unit and CAM unit thanks to the PLC interface.
- ✦ Low operating noise of max. 55 dB(A).
- ✦ 3x longer service life in comparison to conventional collector motors (1000 operating hours guaranteed).
- ✦ No follow-up costs due to bag-free dust collection.
- ✦ Working without interruption due to uncomplicated motor change within minutes.



Technical Specifications	
Permissible Mains Voltage / Frequency	230–240 V, 50/60 Hz
Nominal Voltage	230 V
Suction Turbine Power	490 W (230 V)
Volume Flow (Max.)	2500 l/min (1.47 ft³/s)
Filter Quality	Class M According To EN 60335-2-69
Cam Interface	RJ 45 Socket
PLC: Input Signal / Output Signal 2 x Turbine ON/OFF / 2 x Status Information Sound Pressure Level (LpA)	At Max. Volume Flow 55 dB (A)
Fill Level Dust Collector	~ 2.6 l (0.69 gal)
Weight (Empty)	~ 13.2 kg (29.1 lbs)
Dimensions (W x H x D)	245 x 440 x 500 mm (9.6 x 17.3 x 19.7")



**With PLC Interface Cable
for Better Performance
of Suction Motor**

SILENT powerCAM EC Suction

Extraction units for CAM systems

Powerful, bag-free extraction unit with automatic filter cleaning and EC motor technology for heavily used CAM units.

MADE IN
GERMANY

Advantages

- ✦ Bi-directional communication between extraction unit and CAM unit thanks to the PLC interface
- ✦ Low operating noise of max. 54.3 dB (A)
- ✦ Reliable production process through brushless EC motor technology (guaranteed runtime of 5000 operating hours)

Details

- ✦ High volume flow of approx. 4000 l/min
- ✦ No follow-up costs due to bag-free dust collection
- ✦ Safe disposal of fine milling dust with the help of a disposal bag



Technical Specifications	
Permissible mains voltage	220–240 V 120 V 100 V
Permissible mains frequency	50/60 Hz
Power consumption	1610 VA (230 V) 1440 VA (120 V) 1250 VA (100 V)
Volume Flow (Max.)	3984 l/min // 2.34 ft³/s
Max. depression	257 hPa 262 hPa 255 hPa // 3.73 psi 3.8 psi 3.7 psi
Filter quality	Class M according to EN 60335-2-69
CAM interface	RJ 45 socket
Number of suction hoses	1
Sound pressure level (LpA) (at max. volume flow)	54.3 dB (A)
Weight (empty)	~18 kg // ~39.7 lbs
Dimensions (W x H x D)	270 x 535 x 540 mm // 10.6 x 21.1 x 21.2"
Ø suction fittings interior	42 mm // 1.65"
Fill level dust collector	~7 l // ~1.85 gal



Tool-free filter & motor change possible in a few minutes



With PLC Interface Cable for Better Performance of Suction Motor

Sintering Furnace - TABEO-1/M/ZIRKON-100



Product Features:

- ✦ High purity molybdenum-disilicide heating elements
- ✦ Maximum temperature 1650° C
- ✦ Service programs
- ✦ A - Temperature control*
- ✦ B - Purge heating chamber
- ✦ C - Regenerate heating elements
- ✦ It can sinter 30 units simultaneously in 1 tray
- ✦ It can save upto 9 programs & No. of Programmable stages are 4

Technical Specifications: TABEO/M/ZIRKON-100

Working Temperature	1650° C
Heating Element	High Purity Molybdenum-Disilicide Heating Elements
Voltage Range / Frequency	220-240V /50-60Hz
Maximum Heating	25 Degree Celcius/Min
Display	LED
No. Of Elements	4
Thermocouple	Pt-Rh-Pt, Type S
Dimension	400/400/600MM
Gross Weight	55kg

F2- Fast Sintering Furnace



Fast Cool 2.0 Technology, cools down the furnace quickly without damaging the unit

Zotion Economic dental Fast Sintering Furnace F2 consist of a double shell structure with excellent insulation. The specially designed structure ensures that the furnace can achieve fast heating and cooling procedures, providing a cleaner working environment during sintering process. It can sinter zirconia block, glass ceramics and glazing.

Technical Parameters: F2 Fast Sintering Furnace	
Rated Voltage	Interflow 220 VAC + 20 %
Rated Power	2500W
Temperature Control Precision	+ 1°C
Size	420 * 320 * 600 mm
Net Weight	38.25 kg
Rated Temperature	maximum temperature 1650°C
Motor	Stepping
Max Heating Rate	100°C/minute
Sintering Chamber	100 * 200 mm, 3 layers sintering trays



Full touch screen for easier operations



3 Sintering trays can be put in the large sintering chamber



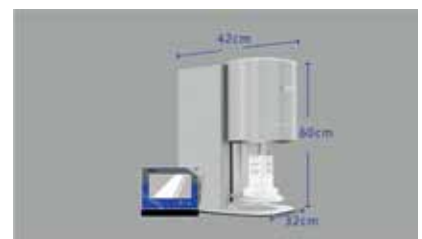
Maximum Heating Rate is **100°C per minute**



Silicon-molybdenum rods to generate heat



Excellent Temperature Accuracy: **+/- 1°C**



Smaller & Lighter: Zotion's Advanced Design

Unicorn Zirconia Blanks



Unicorn DenMart proudly presents its in-house manufactured Unicorn Zirconia Blanks, specially developed to deliver exceptional strength, translucency, and shade accuracy for dental crowns, bridges, and restorations.

Designed to meet the evolving demands of modern dentistry, these blanks are highly compatible with open CAD/CAM milling systems, making them ideal for both labs and chairside workflows.



Key Highlights

High Translucency (43%)

Mimics the natural appearance of enamel, ensuring lifelike restorations in both anterior and posterior zones.



Superior Strength (1300 MPa)

Engineered for long-term durability, making them suitable for full-contour crowns, bridges, and multi-unit prosthetics.

Shade Options – ST White & ST Shaded

Choose between ST White for custom coloring or ST Shaded for consistent color gradient results, reducing manual staining efforts.





CAD/CAM Compatibility

Designed to fit seamlessly into open-system milling machines, enhancing workflow efficiency.

Multiple Disc Sizes

- ✦ Available in 10mm to 25mm diameter options to suit various restoration requirements and material usage optimization.

Affordable Yet Premium

- ✦ A cost-effective alternative to imported blanks without compromising on performance or clinical outcomes.



Product Parameters	
Parameter	Details
Material Type	Zirconium Dioxide (ZrO ₂)
Translucency	43%
Flexural Strength	1300 MPa
Available Shades	ST White / ST Shaded (Preshaded)
Applications	Crowns, Bridges, Full Contour Restorations
Disc Diameters	10mm, 12mm, 14mm, 16mm, 18mm, 20mm, 22mm, 25mm
CAD/CAM Compatibility	Open system
Brand	Unicorn Denmart
Country of Manufacture	India


Dental Lab Starter & Advanced Packages

SHINING 3D
DENTAL
AutoScan
DS-EX Pro (C)



SHINING 3D
DENTAL
AutoScan
DS-EX Pro (H)



3shape 
E2
Lab Scanner



DWX-52Di Plus
Milling Machine
With "C" Clamp



DWX-52D Plus
Milling Machine
With "O" Clamp



making work easy



SILENT COMPACT CAM
SUCTION



1 HP COMPRESSOR



F2
Sintering
Furnace



TABEO
Sintering
Furnace



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WHERE TRUST COMES FIRST



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Warranty Ke Baad Bhi

For any Sales & Support

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 sales@unicorndenmart.com

Customer Care

Register Your Complaint with A Missed Call: **7065-558-558**

 011-45551250, 51, 55  9717012081, 95994 48518

 care@unicorndenmart.com | care1@unicorndenmart.com

Connect With



Unicorn DenMart



Corporate Office: 3 Local Shopping Centre, MOR Land, Near J Block DDA Market,
New Rajender Nagar, New Delhi – 110060



* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

Ver 5/2026