

SURGICAL SOLUTIONS

PRECISION | PERFORMANCE | RELIABILITY



COXO[®]

Surgic-X

Implant Motors/ Physiodyspensers
With 20:1 Surgical Contra Angle Handpiece

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

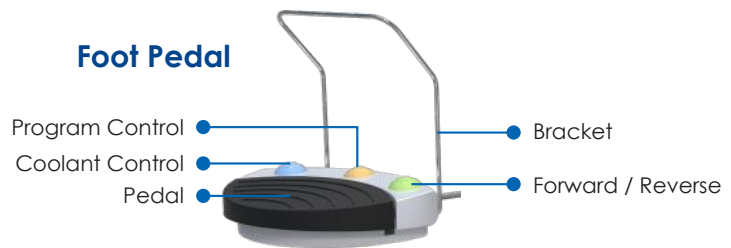
Master in placing Dental Implants with
Stability, Precision & Safety



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

COXO[®]

Piezo-X

Dental Piezo Surgery System

Powerful | Stable | Multipurpose



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

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



Perio Mode

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



Endo Mode



Cleaning Mode

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

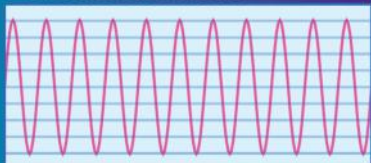
Strengthened sealing technique: Enhancing tolerance of high-temperature autoclave, it is with stable quality

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



Perio&Endo Mode



Bone Mode



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, alveoloplasty, 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.



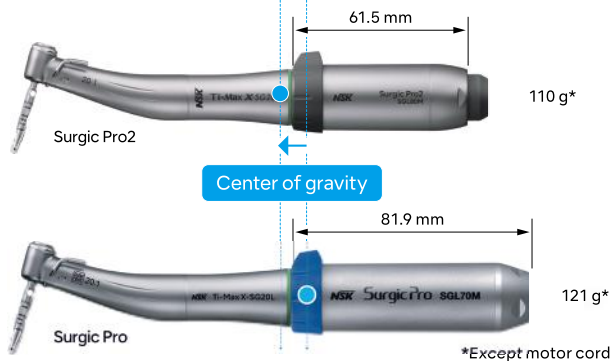
Operability

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**

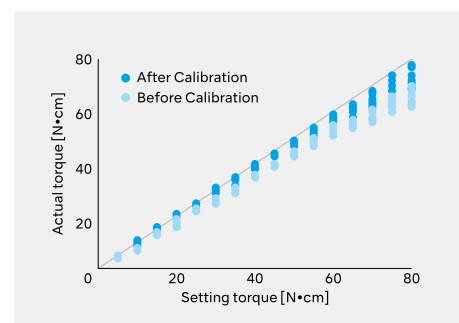
**Weight
9.1% Down**

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

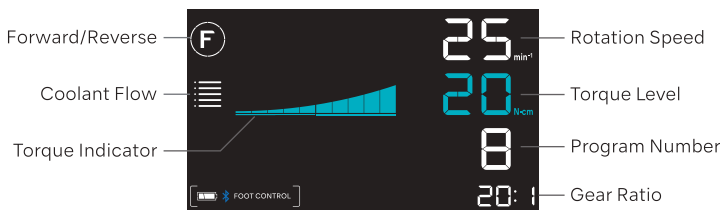
Surgic AP2

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.



WHERE TRUST COMES FIRST



**Warranty Ke Saath Bhi
Warranty Ke Baad Bhi**

For any Sales & Support


 9821184441, 8448398852

 sales@unicorndenmart.com

Customer Care

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

 011-45551250, 51, 55  97170-12081, 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

    /unicorndenmart.com

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

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