

NSK

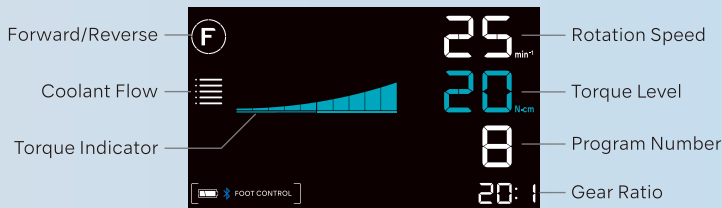
Surgic AP2

Elevate Surgical Precision



The ultimate fusion of precision and simplicity

Surgic AP2, NSK's surgical micromotor system, has reached the next stage in its evolution. Visibility and operability have been improved through the incorporation of an LCD monitor. The handpiece and motor have been made lighter and more compact. Wireless Foot Control allows practitioners to focus completely on the procedure.



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.

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





This new handpiece has been reduced in size by 2mm (compared to the previous model), making it much easier to create holes using surgical guides. This also allows for a wider field of view for practitioners, significantly improving accessibility to the oral cavity. Additionally, the reduced size dramatically minimizes discomfort for patients during procedures, allowing for a more comfortable overall experience.

Maximum Torque

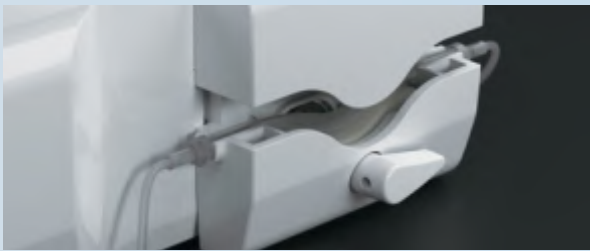
Surgic AP **50** N·cm

▼

Surgic AP2 **80** N·cm

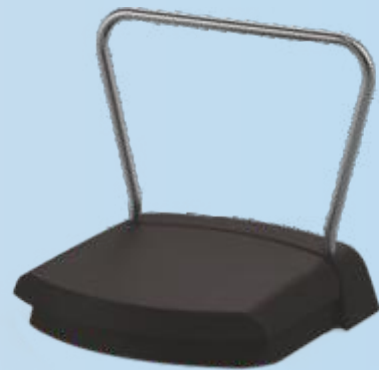
Silent and Smooth Irrigation Pump

The irrigation pump provides consistent and steady flow operating quietly in the background. Irrigation tube set-up is simple and straight-forward and the pump fits seamlessly in the compact and elegant design of Surgic Ap2.



User-Friendly Foot Control (FC-84)

Foot Control wireless connectivity has been incorporated through Bluetooth®. Without cables, practitioners can freely select their optimal pedal position. It has also been made even lighter, making it easier to quickly adjust positioning.



Contents

- Control Unit • Non-Optic Micromotor (SG80MS)
- S-Max SG20M Handpiece (20:1 Reduction)
- FC-84 Foot Control • Handpiece Stand
- Irrigation Tube (3 pcs.) and Other Accessories

Specifications:

Control Unit

- Power Supply : AC100-240V 50/60 Hz
- Max. Pump Output : 75 mL/min
- Programs : 8
- Dimensions : W 245 x D 235 x H 90 mm

Micromotor

- Motor Speed : 200-40,000 min⁻¹
- Non-optic
- Brushless

Foot Control

- Speed Control : Variable



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

9821184441, 9599281852, 8448398852 sales@unicorndenmart.com

www.unicorndenmart.com /unicorndenmart

Ver 11/2024



SCAN TO VISIT OUR WEBSITE

NSK

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

INTRODUCING

The All New Surgic Pro2

Optic/Non Optic

Digital Display



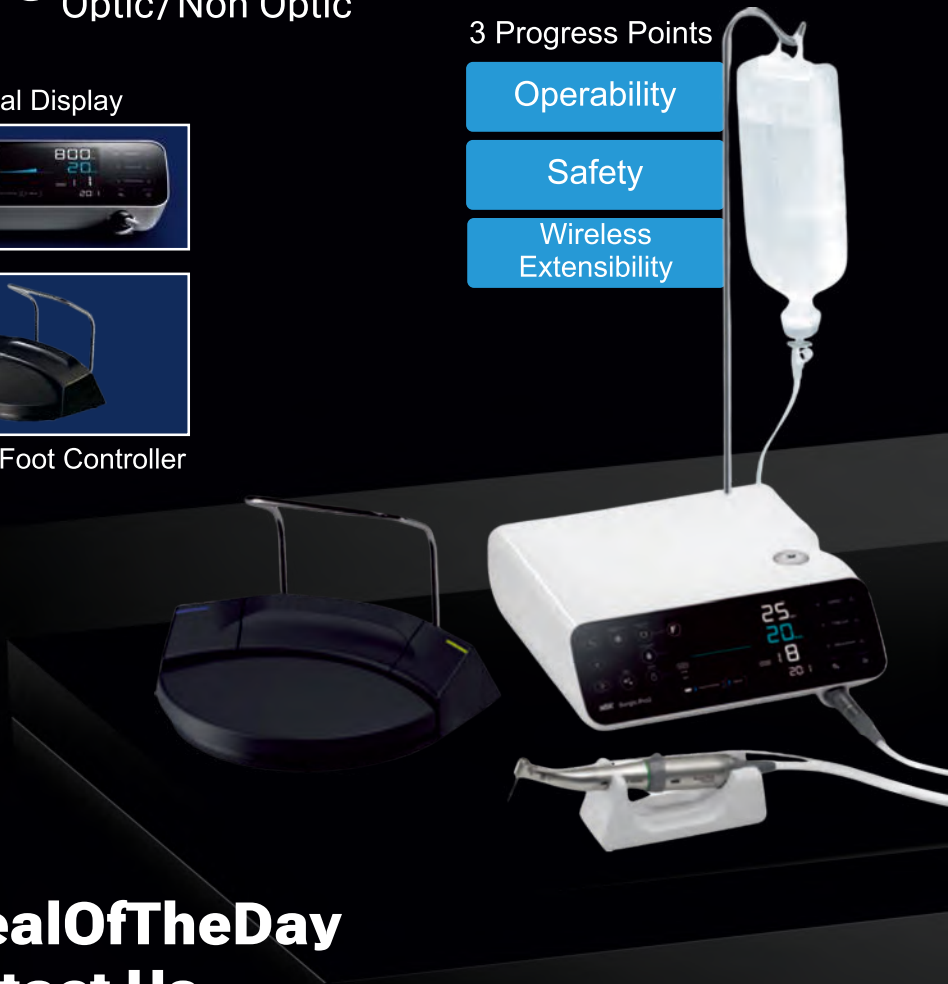
Wireless Foot Controller

3 Progress Points

Operability

Safety

Wireless
Extensibility



#DealOfTheDay Contact Us

+91 9599281852, +91 8448398852 | sales@unicorndenmart.com

www.unicorndenmart.com

WIRELESS EXTENSIBILITY

Wireless connection with multiple devices significantly broadens the scope of implant treatment.

VarioSurg 3
Ultrasonic Bone Surgery

FOOT CONTROL
WIRELESS

Surgic Pro2

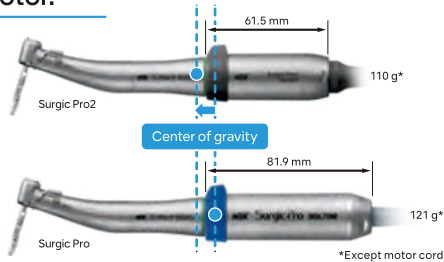
Osseo 100+
Osseointegration Monitoring Device

iPads

Improved operability A more compact new motor.

Length
24.9% DOWN

Weight
9.1% DOWN



IMPLANT MICROMOTOR

Surgic Pro

Optic / Non-Optic

- ✦ Up to 80 Ncm powerful torque
- ✦ Illuminated display for greater visibility
- ✦ Flexible speed control between 200 ~ 40,000 RPM
- ✦ Optic / Non-Optic Brushless micromotor
- ✦ Hands-free operation via multifunctional foot control unit
- ✦ Powered with advanced handpiece calibration
- ✦ 8 x 8 Implant programs
- ✦ Light power: Over 32,000 LUX (LED Micromotor)
- ✦ Max. output / Max. Torque : 210 W / 80 Ncm
- ✦ Max. pump output: 75 mL/ min
- ✦ Dimensions: W265 x D220 x H100 (mm)
- ✦ With SG20 handpiece (Non-Optic)
- ✦ X-SG20L handpiece (Optic)



IMPLANT MICROMOTOR

Surgic Pro⁺ Optic

- ✦ 5-80 Ncm powerful torque
- ✦ Wide speed range of 200 ~ 40,000 RPM
- ✦ Large backlit LCD Display to see & check the displayed data
- ✦ Users can save up to 8 preferred settings (speed, torque, coolant flow, and rotational direction)
- ✦ Control Unit with advanced handpiece calibration for torque & speed accuracy
- ✦ Data Accessibility - Treatment data can be accessed & downloaded using a USB memory stick. (USB memory stick is optional)
- ✦ Micromotor with 2 meter Cord
- ✦ Data storage facility - Can record the date, speed, rotational direction, torque, gear ratio & coolant solution flow volume
- ✦ With X-DSG20L dismantlable Handpiece (Optic)
- ✦ Control panel with hand piece light Intensity variation control (Off / Medium / High)
- ✦ Light power: Over 32,000 LUX (LED Micromotor)
- ✦ Dimensions: W268 x D220 x H100 (mm)
- ✦ Built in memory: 100 min



The globally reliable expert of bone cutting

UltraSurgery

- 1 Handpiece
- 14 Tips



Minimally invasive for cutting bone,
fast, accurate, stable

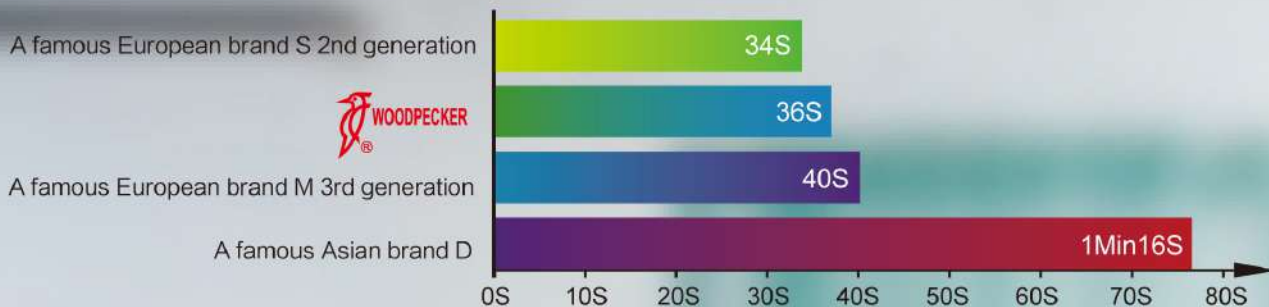
Accurate, minimally invasive,
selective cutting

Safe

- Handpiece and tube are available for autoclave, ensure the sterile environment



1 Comparison of cutting efficiency with other famous brands



2 User-friendly control

- Waterproof operation interface , is more suitable for clinical practice.



3 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.



High light intensity lamp
Clear operation visual

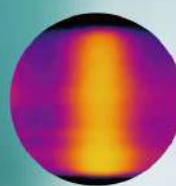
Full power working 10 min, and then test the handpiece temperature



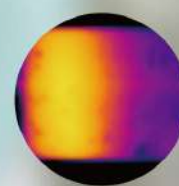
Woodpecker Brand 33°C



Well-known European Brand S 30°C










Well-known European Brand M 33°C



Well-known Asian Brand D 38°C

Ultrasurgery, as the product with the core technology of WOODPECKER: owns complete clinical monitoring system, guarantee the safety; adopts Cascade Fixed Frequency, with more steady and efficient vibration matching; with developed spare parts, is more close to and focus on clinical practice.

Clinical practice

| US2 | | |
|---|---|--|
|  | | |
| Crest splitting | Tooth extraction | Retrograde preparation |
|  |  |  |
|  |  |  |

Technical parameters

| | |
|--------------------------|-----------------------|
| Supply voltage | 220 - 240V~ 50Hz/60Hz |
| Supply voltage(optional) | 100 - 120V~ 50Hz/60Hz |
| Frequency | 24kHz~29.5kHz |
| Max. power absorbed | 100VA |
| Amount of water | 25ml/min~125ml/min |
| Main unit weight | 3.8kg |
| Dimensions | 330mm×254mm×167mm |

Add: Information Industrial Park, Guilin National High-Tech Zone, Guilin, Guangxi, 541004 P. R. China
 Tel: Europe Sales Dept.:+86-773-5873196, +86-773-2125222
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 Asia & Africa Sales Dept.:+86-773-5855350, +86-773-2125896
 Fax: +86-773-5822450
 E-mail: woodpecker@glwoodpecker.com, sales@glwoodpecker.com
 Web: <http://www.glwoodpecker.com>

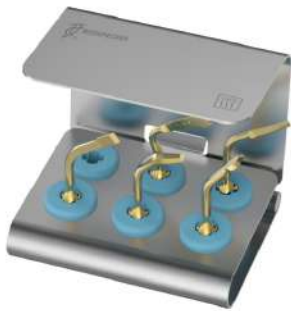
EC REP Wellkang Ltd (www.CE-Marking.eu)
29 Harley St., LONDON, W1G 9QR, UK

2016 1.1 Edition

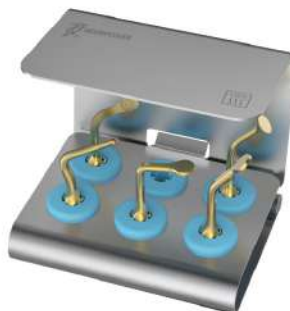
UltraSurgery Tip Series

A Wide Choice for Application

Basic kit



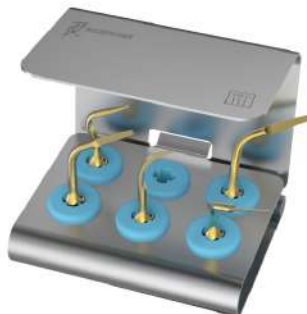
Sinus lift kit



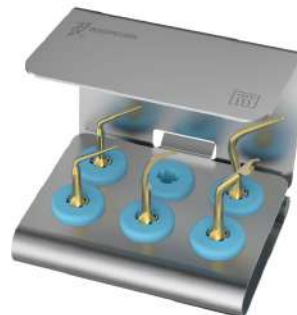
Osteotomy kit



Extraction kit



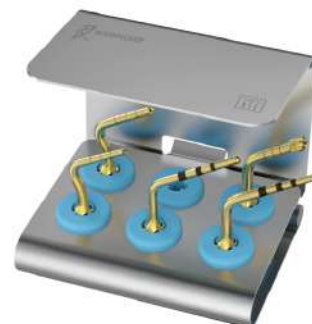
Periodontal kit



Retro surgical kit





Implant prep kit





Equipped with 14 tips ◉


Bone surgery


- ◉ **US1**

 Osteotomy


- ◉ **US1L**

 Osteotomy


- ◉ **US1R**

 Osteotomy

- ◉ **US2**

 Osteotomy

- ◉ **US3**

 Osteotome of precision in the thin regions


- ◉ **US4**

 Bone remodeling and bone chip harvesting


- ◉ **US5**

 Bone remodeling and bone chip harvesting


- US6**

 Precise osteotomy

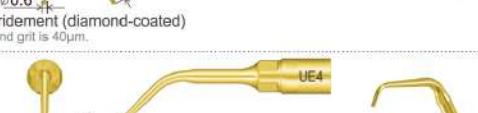


Endodontic

- UE1**

 Apical root debridement (diamond-coated)
*The size of diamond grit is 40µm.

- UE2**

 Soft apical root debridement

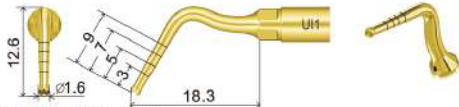
- UE3**

 Apical root debridement (diamond-coated)
*The size of diamond grit is 40µm.

- UE4**




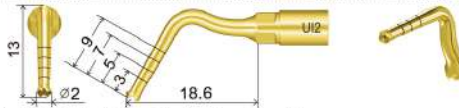
Implantation

UI1



Used for implant, with tip ball Φ 1.6mm

UI2



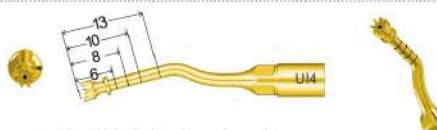
Used for implant, with tip ball Φ 2mm, irrigation from tip point

NEW!
UI3



Φ 2mm implant site preparation tip, irrigation from tip point.

NEW!
UI4



Φ 3mm implant site preparation tip, irrigation from tip point.

NEW!
UI5



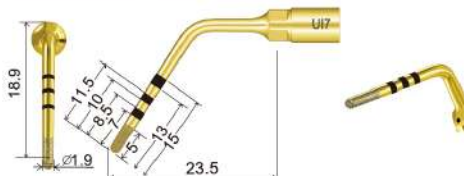
Φ 2mm implant site preparation tip, irrigation from tip point.

NEW!
UI6



Φ 3mm implant site preparation tip, irrigation from tip point.

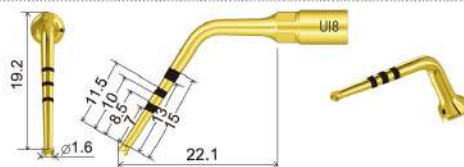
UI7



Finalize the implant site and bone preparation (diamond-coated)

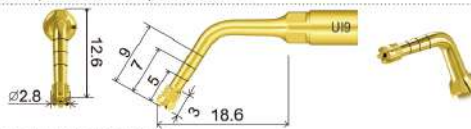
*The size of diamond grit is 100 μ m.

UI8

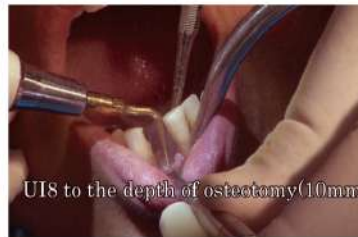


For implantation, in plus size, with tip ball Φ 1.6mm

UI9



Used for implant, with tip ball Φ 2.8mm



Exelcymosis

UC1



Used for cutting ligaments, minimally damnification exelcymosis

NEW!
UC2



Used for cutting ligaments, minimally damnification exelcymosis

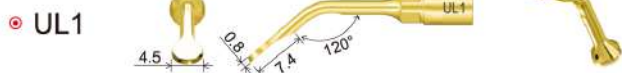
NEW!
UC3



Used for cutting ligaments, minimally damnification exelcymosis



Sinus lifting



120° Peeling of the sinus membrane



Peeling of the sinus membrane



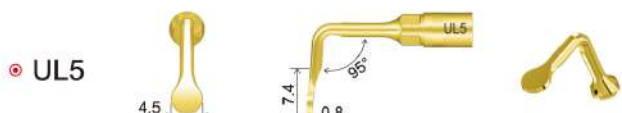
Non-traumatic bone cutting on thin bone region (diamond-coated)

*The size of diamond grit is 100µm.

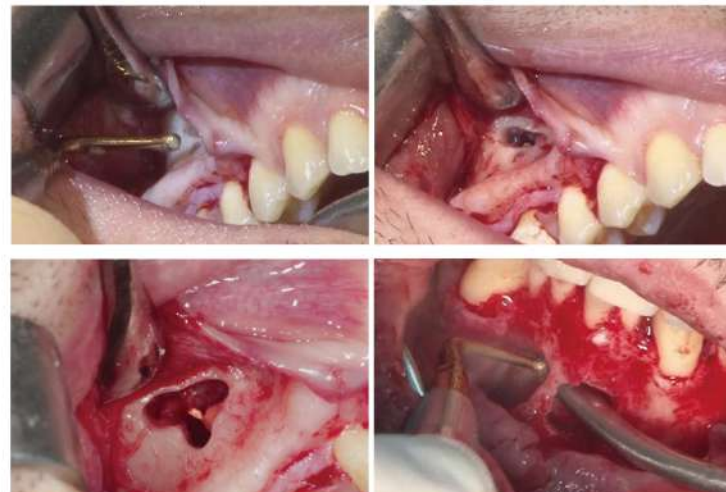


Micrometric osteotomy near the soft tissue (diamond-coated)

*The size of diamond grit is 100µm.



Peeling of the sinus membrane (angle: 95°)

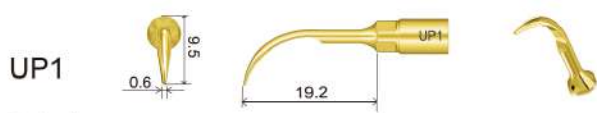


UL3: Micrometric osteotomy, apical cyst removal.

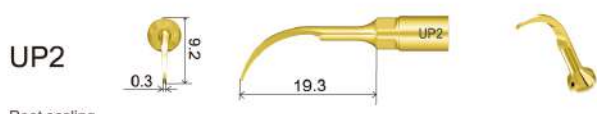


UL4: Micrometric osteotomy

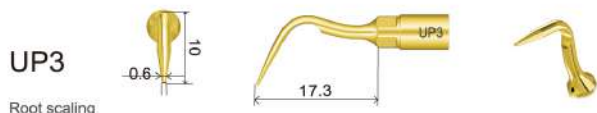
Periodontal surgery



Root scaling



Root scaling

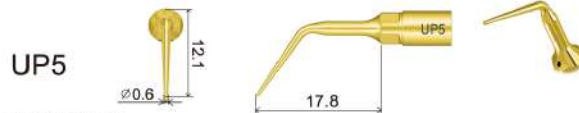


Root scaling

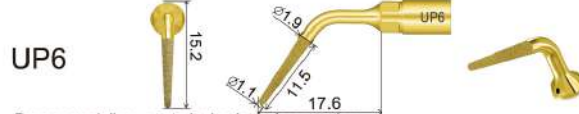


Root surface debridement and root planning (diamond-coated)

*The size of diamond grit is 40µm.

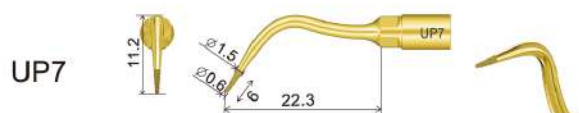


Perio treatment



Bone remodeling, root planing in perio operation

*The size of diamond grit is 40µm.



Bone remodeling and root canal enlargement (diamond-coated)

*The size of diamond grit is 40µm.

ADVANCE 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)

- ✦ 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

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

70
Watts

5 Yrs
warranty
on PCB



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.



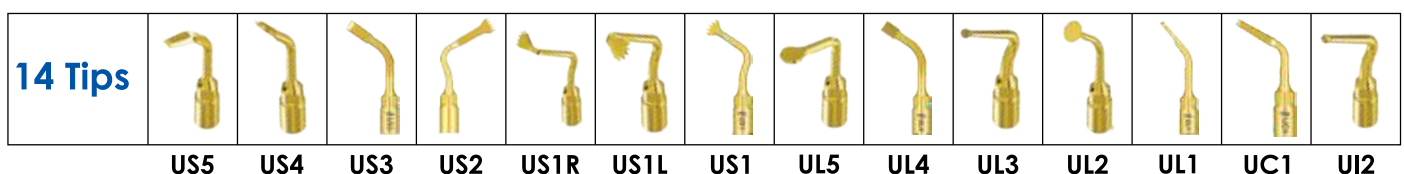
7-Inch touch screen

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 MICROMOTOR

Implant-X

Master in placing Dental Implants with Stability, Precision & Safety

| Specification | |
|-------------------------|-------------------|
| Rotation Speed Range | 300-40,000 rpm |
| Torque Range/ Gear 20:1 | 5Ncm-80Ncm |
| Max Pump Output | 110ml/min |
| Main Unit Dimensions | 276mm*267mm*110mm |
| Motor Dimensions | 23.4mm*L91mm |
| Motor Weight | 140g |



- + **GRW Handpiece Bearings from Germany:** 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

