



C-EXPLORER SG Dental Surgical System

- A fully functional dental surgical system
- Multi-mode operation (four different working modes)
- Automatic cleaning
- Self-programmable implantation process
- Dual-level lighting adjustment
- Three surgical modalities
- Custom programmes with adjustable speed ratios

Key Features

- Multi-mode operation, switch freely between the four different working modes: implant, surgery, piezo and maintenance.
- Automatic cleaning, prevents clogging, the C-Explorer SG is built for long-term durability.
- Wireless foot pedal, allows for quick response and flexible control.

Implantation Function Features:

- Self-programmable implantation process, the implantation program is fully customizable, allowing for personalized surgical steps based on the surgeon's habits.
- Independent flushing system, that makes the C-Explorer SG easier to use and provides a clearer surgical field of vision.
- Dual-level lighting adjustment, the C-Explorer SG provides two levels of LED brightness that ensures optimal visibility across different surgical environments.

Surgery Function Features:

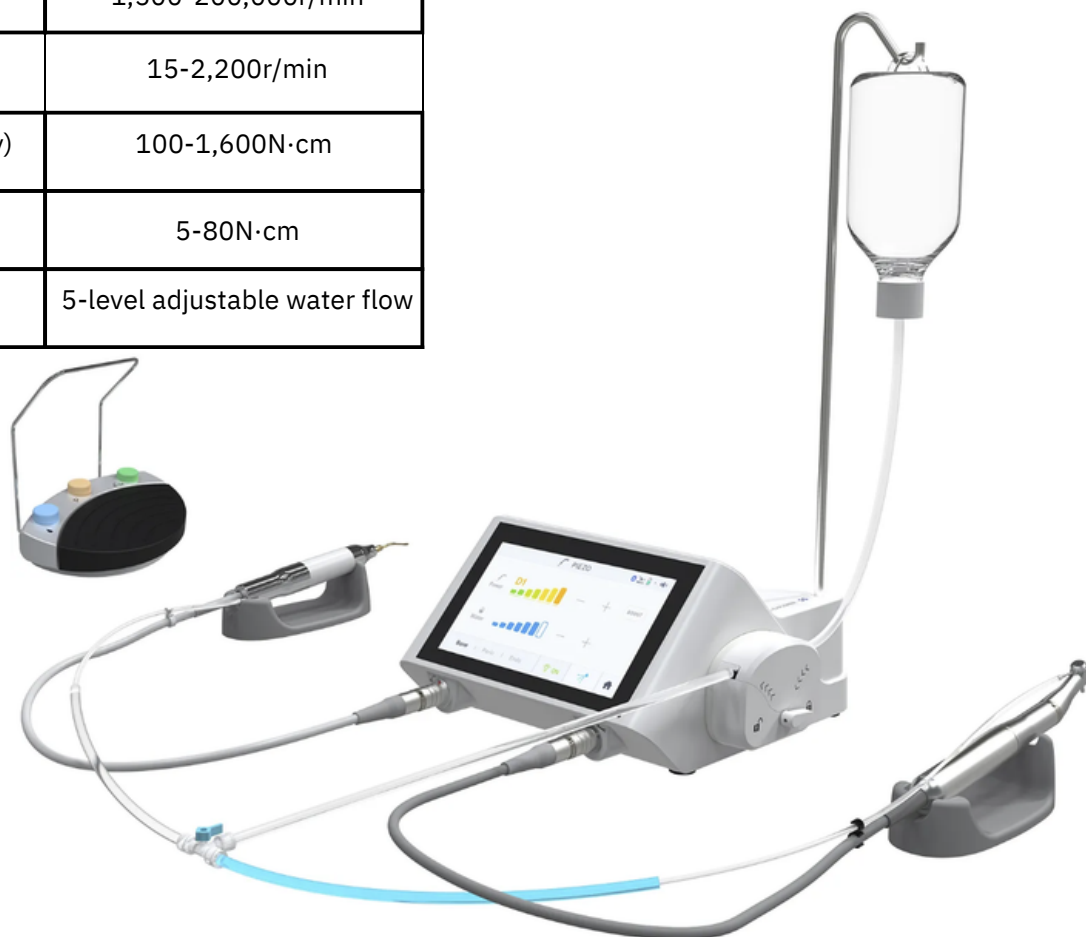
- Three clinical modalities, that cover most surgical needs: bone surgery, periodontal treatment, and root canal treatment.
- Seven power levels that are recommended based on bone density for precise control of surgical force.
- Ultra-wide water flow range, the C-Explorer SG has seven water flow settings (25-100ml) to meet all usage scenarios.
- One-click power boost that instantly increases power during complex surgeries to handle unexpected situations.
- Three different LED lighting modes to meet different surgical scenarios.

Piezo Function Features:

- Custom programmes with 10 adjustable speed ratios that expand application scenarios and meet diverse clinical needs.
- Tooth Extraction, with preset extraction programs to meet aseptic extraction requirements.
- Bone Saw, highly efficient bone cutting programs (applicable to reciprocating saws, sagittal saws, and oscillating saws).
- Apicotomy, with preset apicotomy programs with recommended optimal speeds.
- Sinus Floor Elevation, safe and reliable sinus floor elevation program settings.

TECHNICAL SPECIFICATIONS

Input voltage:	AC 100-240V~50/60Hz
Power	180 VA
Device for intermittent operation	60s ON,10s OFF
Water flow rate (Ultrasonic Handpiece)	20-100 ml/min
Ultrasonic tip primary amplitude	8-63μm
Ultrasonic tip transverse amplitude	0.5-15μm
Ultrasonic tip vibration frequency	30kHz±15%
Speed Range (Motor Only)	300-44.000r /min
Speed Range (1:4.2)	1,200-220,000r/min
Speed range (1:5)	1,500-200,000r/min
Speedrange(20:1)	15-2,200r/min
Torque range(motor only)	100-1,600N·cm
Torque range(20:1)	5-80N·cm
Flow rate:	5-level adjustable water flow



C-EXPLORER SG

Dental Ultrasonic Surgical Device

Piezo, Implant, Surgery

10% 

Upgraded power

80 N (20:1)

High-Torque

300-44000 rpm

Wide speed range

3 in 1



COXO[®]

Professional Dental Manufacturer

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C-EXPLORER SG

Dental Ultrasonic Surgical Device

Precision Ultrasonic Cutting.

Multi-Mode. Versatile.

Intuitive Touch Control.

Wireless Foot Pedal. Total Freedom.

Customized Implant Workflow.

High Torque. Clear Visibility.

Quick Water Switch.

Precise Flow Control & Flexible Use.

Multi-Procedure Platform.

Preset Programs. Stable & Efficient.

Powerful Output.

High Speed & Reliable Performance.

Smart Maintenance System

Auto-Cleaning, Built to Last.

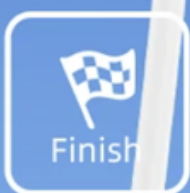
Multi-Device Compatible.

Versatile for Any Scenario.

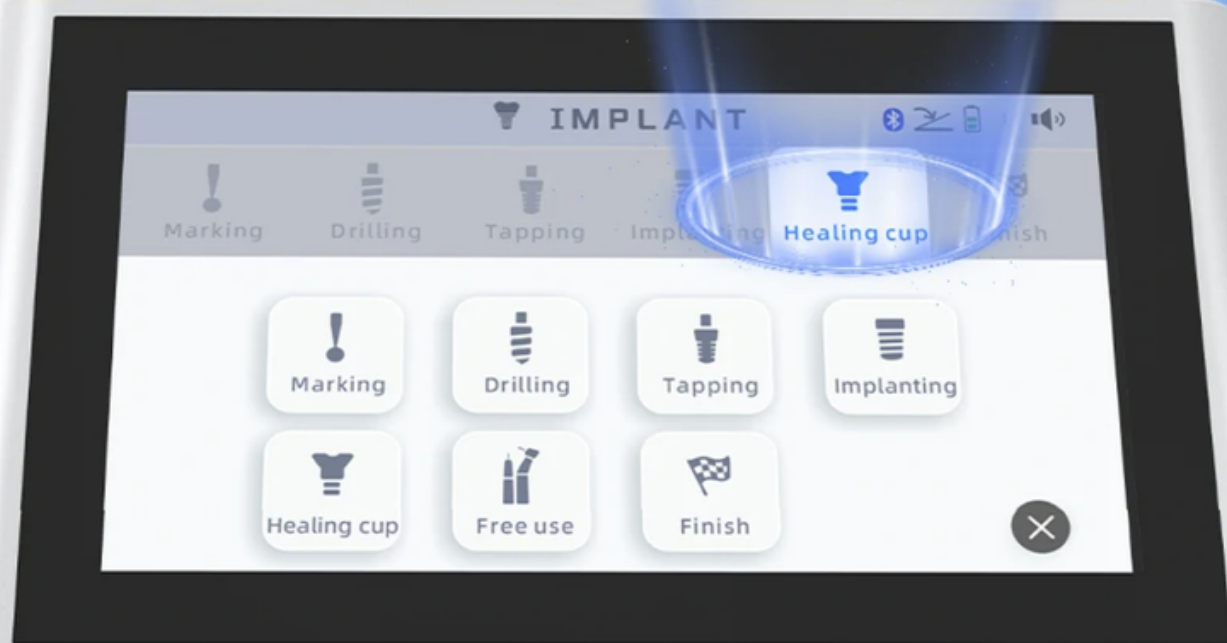


Implant Function

Fully customizable implant program,
tailored to clinician workflow.



Customizable



Ultrasonic: Smart & Powerful

Bone Surgery | Periodontal | Endodontic
Covers most surgical needs

3 LED Lighting
Modes

Versatile Compatibility
Works with multiple tips

One-touch
15% power increase.

Auto Bone Density Matching
7 levels for all bone types

7 Water Settings | 20-100ml
Versatile for All Uses

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Dental Ultrasonic Surgical Device

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Precision Meets Efficiency

Pre-set surgical programs
streamline every procedure – from extraction to bone shaping.



•Extraction

Preset programs for
atraumatic extraction.



•Apical resection

Optimized speed
settings for precise
resection.



•Sinus Lift

Safe and reliable
settings for
sinus floor elevation.



•Saw handpiece

High-efficiency modes
for reciprocating, agittal,
and oscillating saws.

10 adjustable ratios.

Endless clinical possibilities.



C-EXPLORER SG

Dental Ultrasonic Surgical Device

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Small Size · Big Power

Ultra-low heat motor
with high output in a compact body



Maximum
Implant Torque

Up to 80N·cm

(with 20:1 contra angle)

Torque

N·cm



Wide speed
range

Up to 44000 rpm

300

44000

Speed

rpm

+

-

C-EXPLORER SG

Dental Ultrasonic Surgical Device

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Wireless Multi-Function Pedal

Seamless wireless control
Fast, stable, and precise



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Dental Ultrasonic Surgical Device

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One-Touch Cleaning

Effectively removes residue to
extend device lifespan.



3 Modes

Piezo Function

Supports bone surgery, periodontal treatment, and root canal therapy



Implant Function

Self-changing steps, multi-speed ratio adaptation



Surgery Function

Pre-programmed settings for common procedures, meeting daily needs



Maintenance Guide

Intelligent maintenance guide to help extend the device's lifespan





Titania Surgical Ltd.
19 Oxford Road, Regus Offices
Bournemouth - BH8 8GS
United Kingdom

 contact@titaniamedical.com

 www.titaniamedical.com