



**DZ-100**

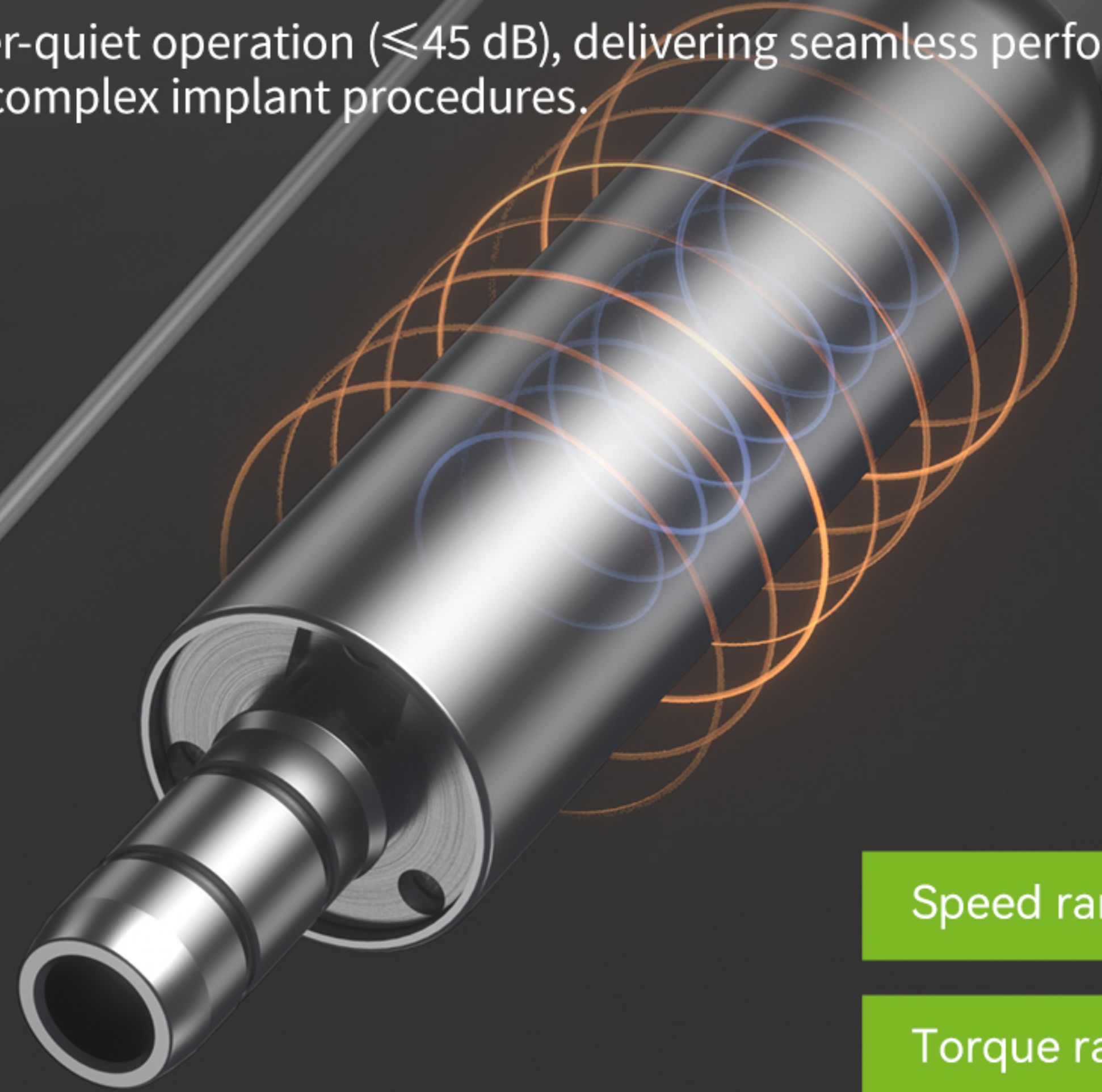
**IMPLANT MOTOR**





# SWISS HIGH-PERFORMANCE BRUSHLESS MOTOR

Combines robust power with whisper-quiet operation ( $\leq 45$  dB), delivering seamless performance for complex implant procedures.



Speed range

**100–40,000 rpm**

Torque range

**5–80 N·cm**

Motor noise

**$\leq 45$ dB**



# HIGH-PRECISION SENSOR & RAPID RESPONSE

Utilizes advanced sensors and intelligent control algorithms to dynamically adapt to load variations, ensuring precise speed and torque stability with operational deviation within  $\pm 10\%$ .



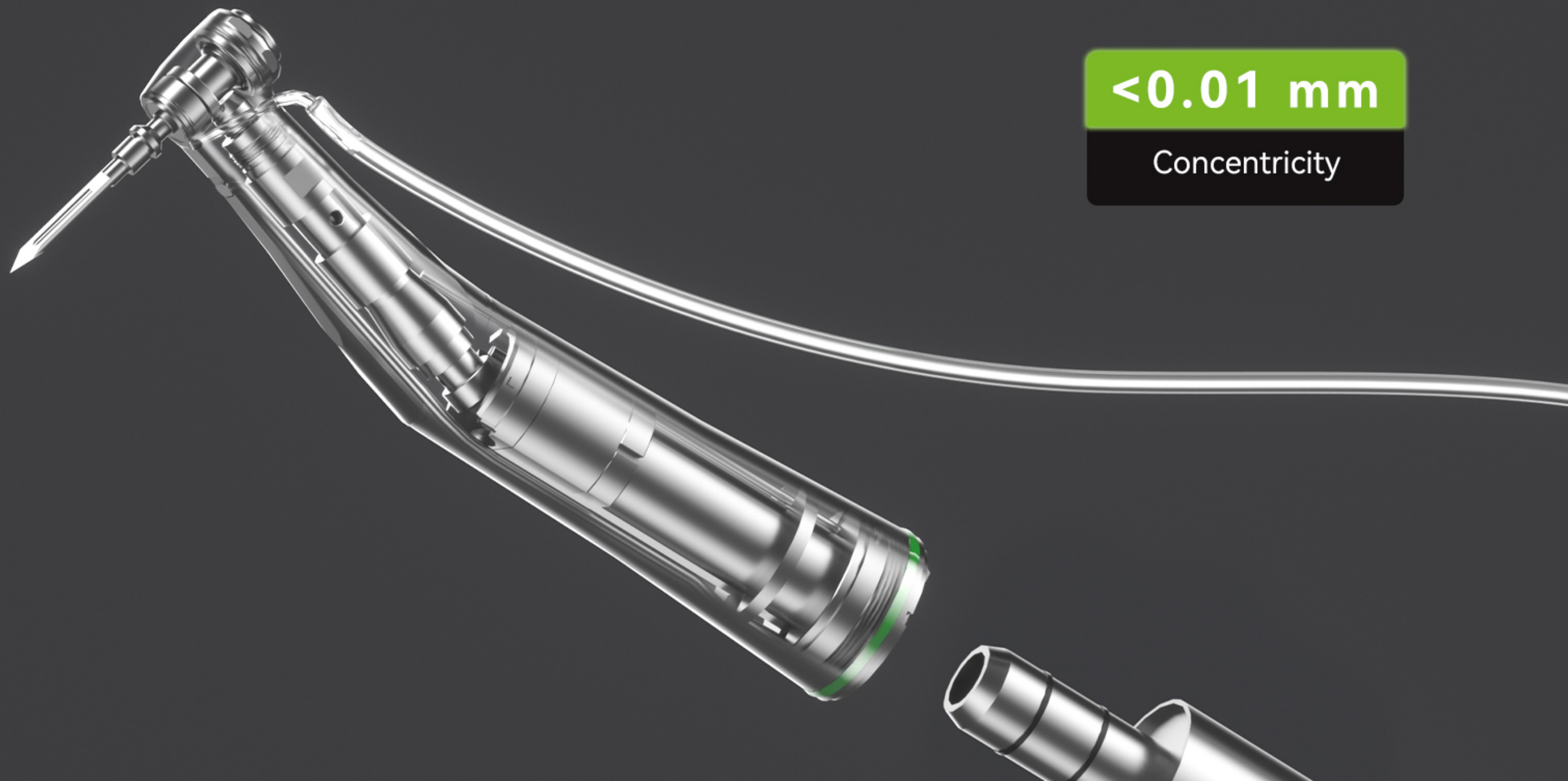
**$\pm 10\%$**

Standard  
deviation



# GERMAN-IMPORTED BEARING FIBER-OPTIC HANDPIECE

20:1 implant handpiece with German bearings guaranteeing concentricity  $<0.01$  mm, paired with bright fiber-optic illumination for enhanced surgical visibility.



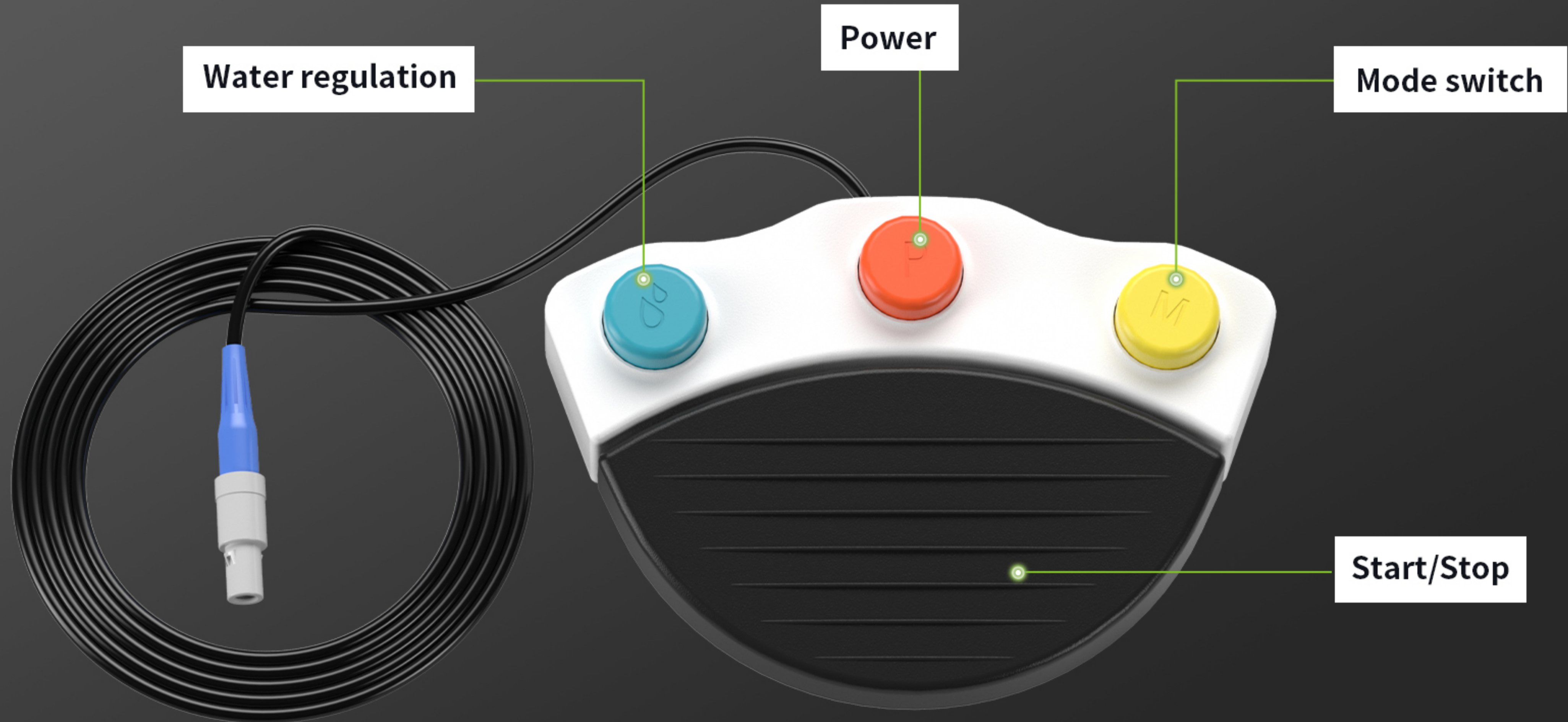
**$<0.01$  mm**

Concentricity



# MULTIFUNCTIONAL STEPLESS SPEED CONTROL FOOT PEDAL

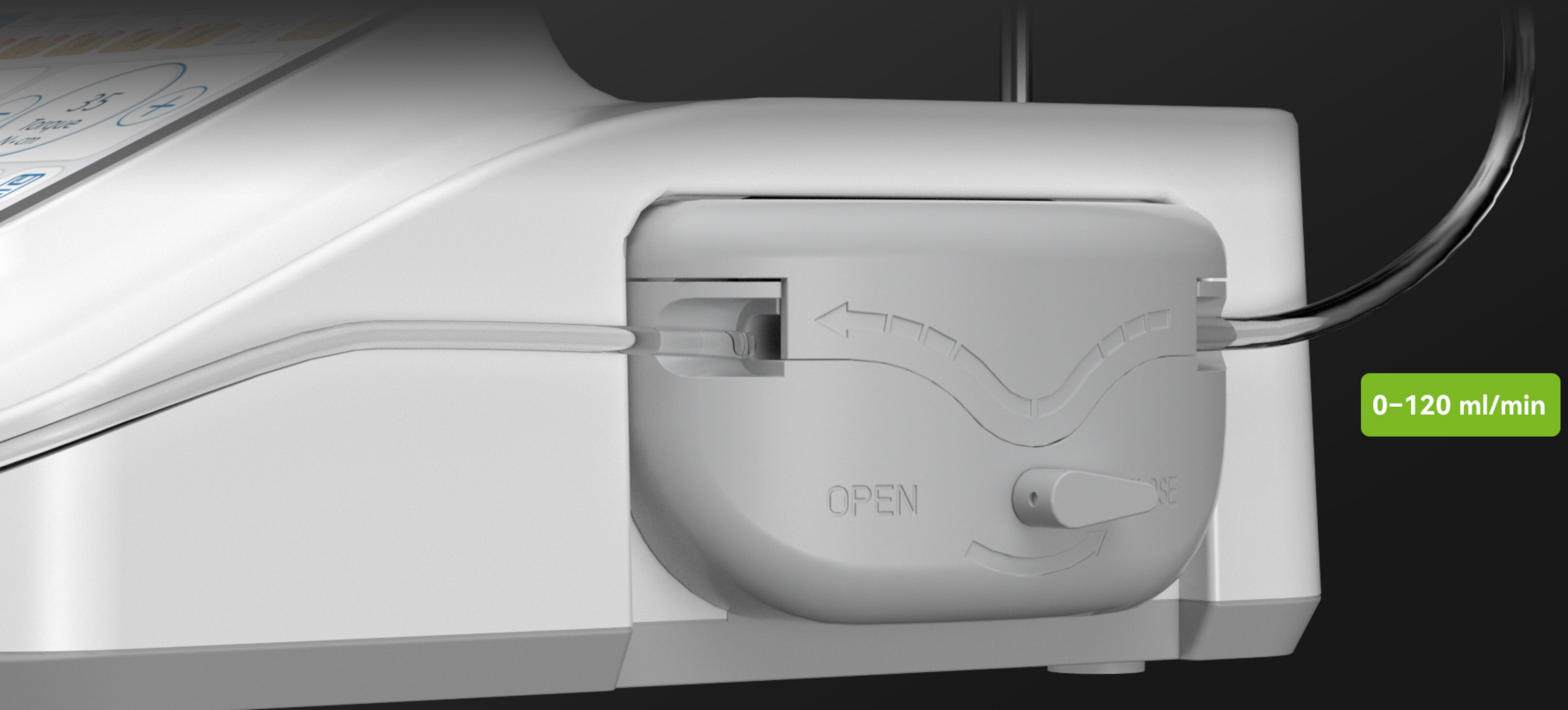
Enables effortless adjustment of water flow, program selection, forward/reverse rotation, and one-touch irrigation for streamlined aseptic operations.





# 5-ROTOR SILENT PERISTALTIC PUMP

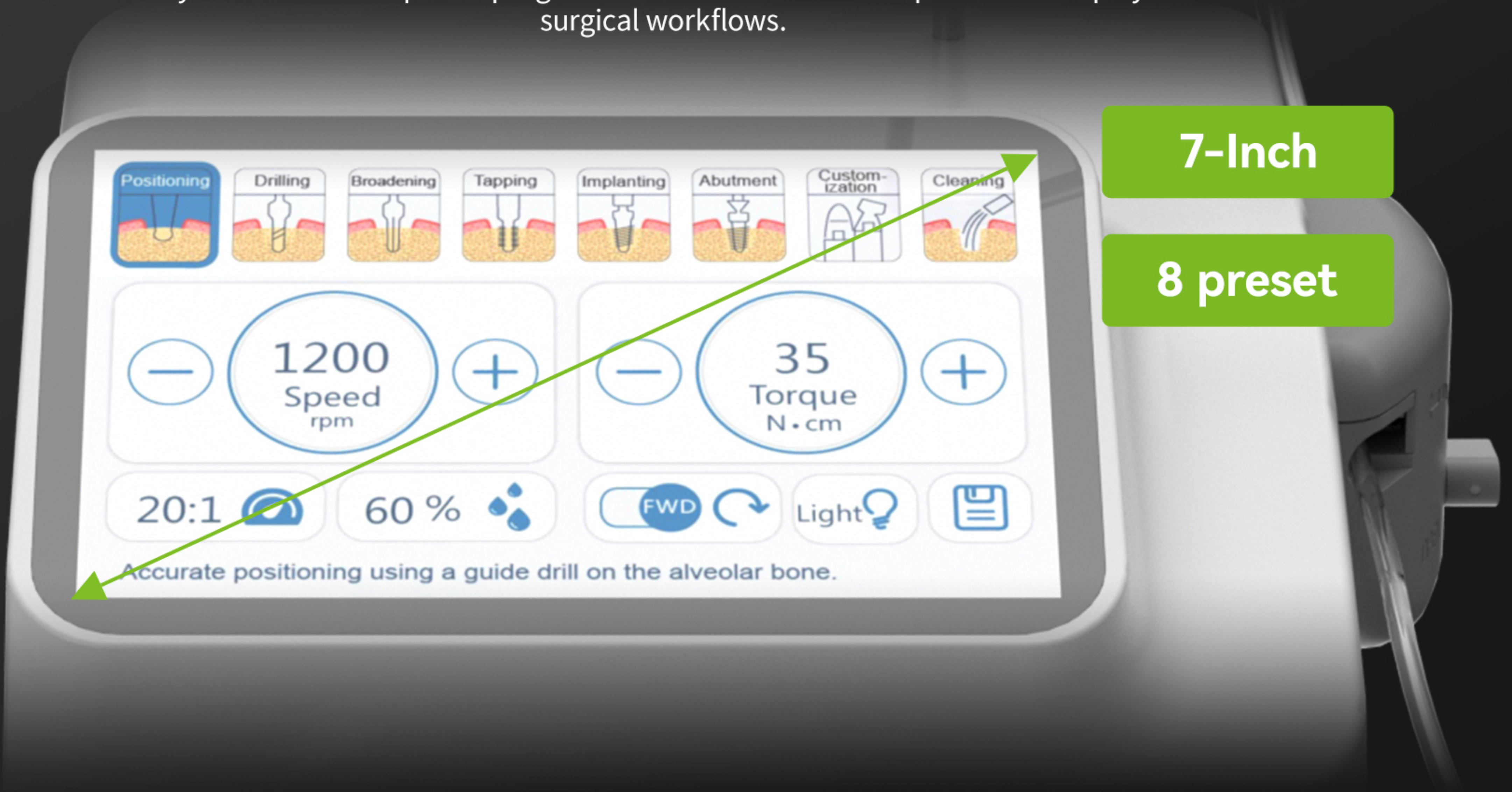
5-Rotor Silent Peristaltic Pump: Stepper motor-driven pump with precise water flow control (0–120 ml/min), providing stable cooling and irrigation during surgery.





# 7-INCH HD TOUCHSCREEN

User-friendly interface with 8 preset program functions and real-time parameter display for efficient surgical workflows.





# MULTI-COMPATIBLE HANDPIECE SYSTEM

Ensuring versatile applications.



**1:5, 1:4.2**

Compatible with  
Surgical handpieces

**16:1, 32:1, 64:1**

Handpieces with  
different speed ratios