

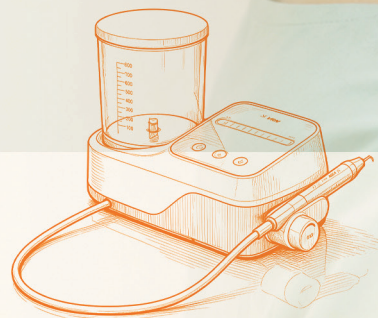
Dental Ultrasonic Scaler

VRN-Q5



VRN-Q5 Ultrasonic Scaler Overview

Better Care, Global Smiles.



Experience Comfortable Periodontal Care



EXPERIENCE A MORE COMFORTABLE TREATMENT
HIGH QUALITY / ENHANCED COMFORT / HIGH EFFICIENCY



800 mL

Large Capacity Water Reservoir



Auto

Automatic Water Supply System



G MODE: ULTRASONIC SCALING

P MODE: PERIODONTAL TREATMENT & IMPLANT MAINTENANCE

E MODE: ROOT CANAL IRRIGATION

EXCELLENCE IN A COMPACT AND MINIMALIST DESIGN

- Aesthetic Minimalist Design
- Clear Waterproof Control Panel
- Equipped with an Ultra-Sensitive Touch Sensor
- Integrates supragingival scaling, periodontal therapy, root canal irrigation, and automatic water delivery in one compact system.

SMART FEEDBACK EFFICIENT SCALING

Equipped with a high-performance chip that automatically regulates scaling power. The output power automatically adapts to the hardness of calculus to simplify operation and improve working efficiency.

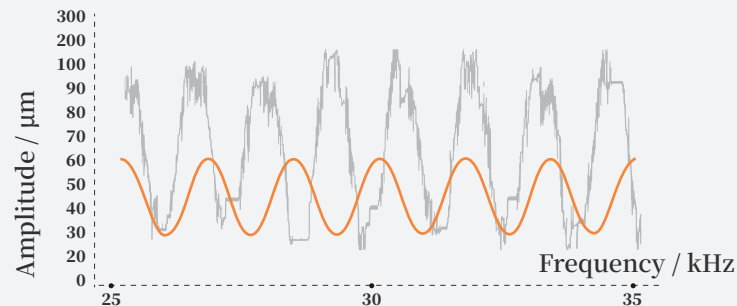


STEADY & ROBUST



SINE WAVE DRIVE

Sine wave driving delivers stable amplitude with regular, powerful vibration. Its elliptical vibration trajectory eliminates unstable impact force caused by conventional conventional square-wave drive technology, providing efficient and comfortable scaling.



30^{HRC}

Working Tip Hardness

25-35^{KHZ}

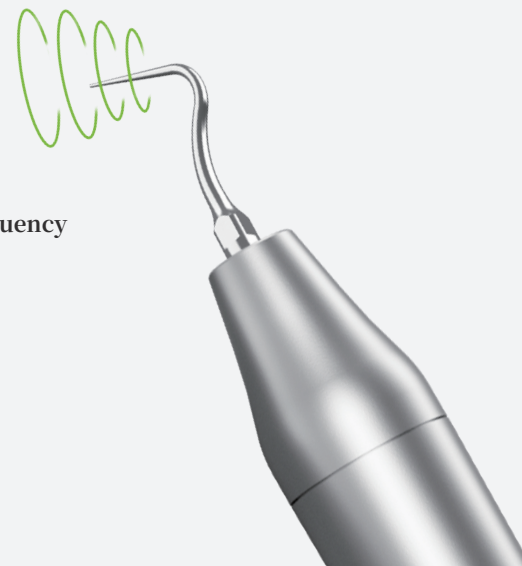
Working Tip Vibration Frequency

20-80^{MM}

Feed Water System

14^{MM}

Treatment Depth



TREATMENT EFFECT



HIGH-PERFORMANCE LED HANDPIECE

New sealing technology with detachable structure, compatible with high-temperature and high-pressure autoclave sterilization.

Ergonomic lightweight design ensures comfort during prolonged clinical procedures.

Soft LED light illuminates your treatment site.



FLEXIBLE WIRELESS, STABLE & RELIABLE



IPX4 WATERPROOF WIRELESS FOOT PEDAL

Stable Performance, Low Latency & Strong Anti-Interference Capability. Cable-Free Operation with Responsive Foot Control.

A wired foot pedal is also available to suit different clinical preferences.



TITANIUM ALLOY SCALING WORKING TIP

Equipped with titanium alloy periodontal working tips, which feature lower hardness than dental enamel to help prevent damage to teeth.



P11



P12



P12L



P12R



P16

Hardness of Titanium Alloy Working Tip

HRC 30



Tooth Enamel Hardness

HRC 50-60

P16 WORKING TIP

EFFECTIVELY REMOVES MEDIUM-SIZED SUPRAGINGIVAL AND CERVICAL CALCULUS.

The ball-shaped tip design minimizes irritation to the gingiva.

It delivers consistent power while providing superior comfort.



IM1 WORKING TIP

SUITABLE FOR REMOVING CALCULUS ON THE SURFACE OF IMPLANTS.

The tip is coated with special material for ultra-gentle performance.

Gentle on implant surfaces.



TECHNICAL SPECIFICATIONS



NAME	VRN-Q5 Ultrasonic Scaler
POWER INPUT	220 V AC, 50 Hz
INPUT POWER	35 VA
MAIN TIP VIBRATION DISPLACEMENT	Minimum 1 μm (Tolerance: -50%), Maximum 100 μm (Tolerance: +50%)
HALF OFFSET FORCE	Minimum 0.1 N (Tolerance: -50%), Maximum 2 N (Tolerance: +50%)
TIP VIBRATION FREQUENCY	18 kHz ~ 45 kHz
TIP OUTPUT POWER	3 W ~ 20 W
MAIN UNIT WEIGHT	1.8 kg
STERILIZATION TEMPERATURE	The handpiece is autoclavable at 134°C under 0.22 MPa.
DESIGNED SERVICE LIFE	10 Years