

VarioSurg 3

Evolved Potential

Embodying the Pursuit of Perfection

Ultrasonic bone surgery systems are essential in modern surgical and implant treatment. The powerful VarioSurg 3 handpiece features a slim and lightweight body that ensures minimal hand fatigue and outstanding visibility. A variety of tips makes procedures easier and stress-free to help provide more precise and efficient treatment.



TRINITY

Outstanding Ultrasonic Performance

Wattage is not the only factor determining cutting efficiency and performance in ultrasonic surgery. What is important is the power factor between three elements: control unit frequency, handpiece vibration characteristics and tip design for handling high power and cutting efficiency. The VarioSurg 3 effortlessly balances these three elements for the ultimate in ultrasonic performance.



Stabilizing the Power Balance for More Efficient Procedures

Maximum power 150%

The VarioSurg 3 offers a 50% increase in power in SURG mode compared to previous models, for more effective procedures and shorter treatment times.
(Select tips according to clinical and power requirements)

* For more than 100% power, you must use the relevant tips.

VarioSurg



150% High Power!

VarioSurg 3



Stable cutting through feedback and auto-tuning functions

Feedback function

This function constantly checks the performance parameters of the ultrasonic unit during operation. It simultaneously controls power output to optimize the level of power depending on the procedure.

Auto-Tuning function

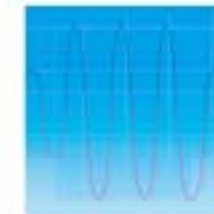
The oscillating frequency is automatically controlled to ensure the set output values are always accurately delivered at the tip to maintain ideal vibration.

Advanced Control Unit to Manage High Power



Compact body and large LCD panel

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute to a safe and user-friendly working environment.



Advanced BURST mode

Switching from SURG mode to BURST mode during procedures creates a hammer drill effect capable of cutting through the hardest of tissues. Select from one of three BURST mode levels according to the procedure or density or hardness of the bone.



Illumination intensity adjustable LED light

LED handpiece illumination can be adjusted at the push of a button, with a choice of three intensity levels to suit the procedure.



Three modes

There is a choice of P (PERIO), E (ENDO) and S (SURG) modes to cover a wide range of applications, from bone cutting to post-surgical maintenance.

Adjustable irrigation flow rate

You can choose from five coolant flow levels with a maximum output of up to 75mL per minute, to suit operating requirements and tips. Effective irrigation protects bone cells by controlling tip heat.

Memory functions for treatment procedures and program setting

Specific treatment parameters can be stored using the unit's memory function, and are easily accessed using the program button.

Super-Slim Design for Maximum Potential

Super-slim ergonomic handpieces

NSK's super-slim LED handpiece offers superior access and outstanding visibility. Excellent balance and ergonomic design facilitate the most accurate procedures and minimise hand and finger fatigue, especially during long procedures.

Effective power transmission with minimal heat generation

By using innovative materials, the VarioSurg 3 handpiece delivers appropriate power from the generator to the tip without loss while minimising heat generation.

LED illumination for more precise treatments



NSK LEDs generate natural daylight-quality light to perfectly illuminate the treatment area, enabling more precise treatments and shortening treatment times. LEDs are safe and do not overheat, even during extended use, and are economical due to their long life. Proprietary twin LED lights eliminate shadows in the treatment area, allowing excellent visibility.

Superior materials to withstand constant decontamination

Compliance with autoclaving and thermo-disinfection requirements to guarantee patient safety.

Ultrasonic Surgery Tips

Choose from over 50 ultrasonic tips according to the clinical procedure.

BONE SURGERY			
SCRAPER	EXTRACTION	SINUS LIFT	
IMPLANT PREPARATION	SOCKET LIFT (CRESTAL APPROACH)	SINUS MEMBRANE DETACHMENT	
SCALING	PERIO	PERIO-CONTROL	ENDO

Visit the following site for tip details: <http://www.nsk-dental.com>



Complete Set

Optic	MODEL	ORDER CODE
●	VarioSurg 3	Y1002726

Contents

- Control Unit • LED Handpiece with 2 m cord • FC-78 Foot Control
- Sterilization Cassette • Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Specifications

[Control Unit]

- Frequency : 28-32 kHz
- Power Supply : 230 V 50/60 Hz
- Irrigation Flow Rate : 30-75 mL/min
- Programs : SURO x 5, ENDO x 2, PERIO x 2
- Dimensions : W 265 x D 220 x H 103 mm

Complete Set without Foot Control

Optic	MODEL	ORDER CODE
●	VarioSurg 3 Non FT	Y1002248

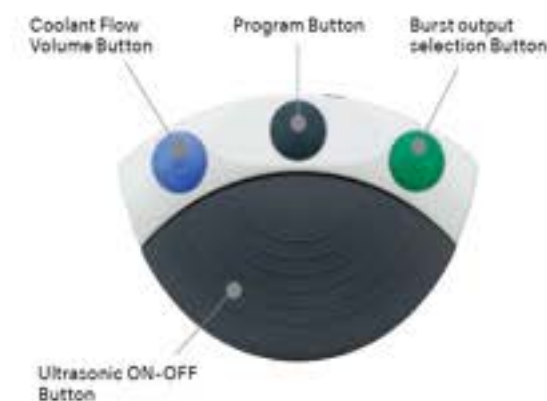
Contents

- Control Unit • LED Handpiece with 2 m cord • Sterilization Cassette
- Handpiece Stand • Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

ACCESSORIES

Hands-Free Program Adjustments Via Foot Control

The VarioSurg 3 foot control conforms with the IPX8 standard for medical foot control systems. All functions are clearly marked and allow accurate and hands-free operation of the unit within the pre-set parameters. Using the metal bar the foot control can easily be re-positioned at any time.



MODEL	ORDER CODE
FC-78	Z1102003

• With 2 m cord

Sterilization Cassette

The Sterilization Cassette is designed for the safe processing and storage of VarioSurg 3 components.



MODEL	ORDER CODE
VA-SG-CASE	Z313102

• Dimensions : W 281 x D 171 S x H 47 mm
• Has dedicated compartments for handpiece, cord, tip replacement wrench and tip holders

Carrying Case (Optional Extra)

The Carrying Case neatly stores all VarioSurg 3 components.



MODEL	ORDER CODE
Carrying Case (VarioSurg3)	Y1002768

• Dimensions : W 534 x D 427 x H 207 mm

iCart Duo (Optional Extra)

The Surgic Pro2 and VarioSurg 3 surgical systems and their accessories are efficiently and functionally housed in specialist carts.

MODEL	ORDER CODE
iCart Duo	S9090

• Dimensions : H 101,65 cm • Weight : 16,5 kg

