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Surgic Pro2

Go beyond.

The internationally acclaimed Surgic Pro surgical micromotor system has evolved into "Surgic Pro2".

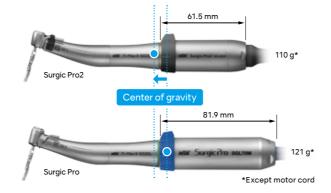
There are 3 progress points, in operation, safety and wireless extensibility. As well as further improving the basic performance of Surgic Pro, its supreme adaptability in connecting to various external devices offers improved safety, efficiency and operator comfort during treatment. Professionals depend on the reliability of their equipment on a daily basis. With Surgic Pro2 NSK have taken reliability to the next level.

OPERABILITY There are a range of upgrades to ensure even greater comfort during implant treatment. These specifications put the needs of professionals first. Surgic Pro2 SGL80M

Improved operability A more compact new motor

Significant size and weight reductions were achieved for the motor with NSK's proprietary micro-motor technology. Operability during treatment has been greatly improved by moving the center of gravity closer to the head of the handpiece. This increases efficiency and alleviates the stress during prolonged operation for strain-free, effortless operation.

Length 24.9% DOWN Weight
9.1% DOWN



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.

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 Pro2.

Visibility is significantly improved with the high-resolution color LED.

Use of high-resolution color LED allows blood and gums to be seen as if naturally-lit, thereby providing increased visibility during treatment. The LED light source generates a minimal amount of heat and has excellent life expectancy.





Standard White LED

SAFETY

Synonymous with Surgic Pro safer procedures are made possible with increased torque precision combined with the "Osseointegration Monitoring Device, Osseo 100+".

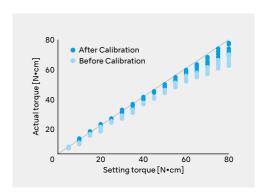
NSK's Drive for Accuracy Ensure Safe Treatment through Accurate Torque Correction

The displayed torque value accuracy is dependent on the state of handpiece bearings and gear abrasion. Surgic Pro2 torque calibration allows for this to be taken into account to display more accurate values.

NSK's 'Advanced Handpiece Calibration' (AHC) function corrects the differences in actual handpiece condition using automatic calibration with no load current and load-bearing calibration to achieve accurate torque values for successful implant surgery.

Minimizing the discrepancy between the set torque value and the actual output helps improve treatment outcomes.

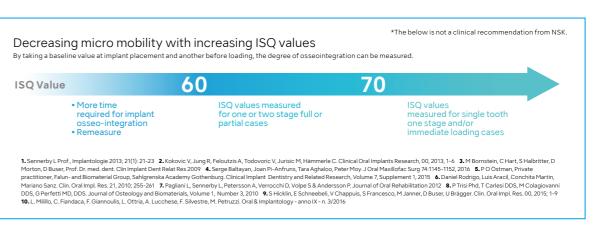




The Osseointegration Monitoring Device, Osseo 100+ for more predictable treatment

Osseo 100+ measures implant stability and osseointegration to enhance decisions about when to load. Especially important when using protocols with shorter treatment time and treating risk patients. By connecting with the Surgic Pro2 it is possible to share and manage the measured ISQ value on external terminals.





WIRELESS EXTENSIBILITY

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



Linked with Osseointegration Monitoring Device, Osseo 100+

The Osseointegration Monitoring Device, "Osseo 100+" measures the implant stability quotient contactlessly and can be connected using Bluetooth®, permitting ISQ confirmation over a shared interface. You can share and manage the data of those measured ISQ scores on other terminals through Surgic Pro2. Surgic Pro2 itself offers such high extensibility as like this ISQ function is already equipped inside. It only takes 3 easy steps to use the Osseo 100+.



Linked with the "VarioSurg 3" ultrasonic bone surgery system

Surgic Pro2 can easily be linked with the NSK ultrasonic surgical system VariosSurg 3 by adding our bluetooth link module. With the NSK link stand the two units can be safely stacked to save space.

Two devices can be controlled with only one Foot Control. You can easily switch between Surgic Pro2 and VarioSurg 3 for improved flexibility and workflow.





Linked with iPads

Installing a dedicated application and connecting an iPad to the control unit enables real-time display of detailed procedural data, such as the rotation speed and the torque range. Procedural data can also be saved. Data can also be displayed and saved when connecting with Osseo 100+. Traceability data management of procedural details allows implant treatment to be tailored to individual patients.



Linked with a wireless foot control

Bluetooth connectivity allows selection of the optimal position without worrying about cable length. The foot controller is 400g lighter than the previous model (hangar included) making it easy to reposition. You can keep your focus on the treatment. The "Coolant Solution Flow Volume Button", "Program Button" and "Forward/Reverse Button" may be customized using the 3 installed buttons allowing the operator to choose their preferred mode of operation. The energy-efficient power supply uses 3 AAA batteries, which last about 6 months.

A flashing light indicates when the batteries are running low.

Energy-Efficient
Design
(3 AAA batteries / 6 months

A flashing light indicates when the batteries are low

Water-resistance and IPX8 compatibility



iPad is trademarks of Apple Inc.

Surgic Pro2



Complete Set with X-SG20ML

Optic	MODEL	ORDER CODE
•	Surgic Pro2 OPT	Y1500511

- Contents
 Control Unit SGL80M Optic Micromotor
- X-SG20ML Optic Handpiece (20:1 Reduction)
 FOOT CONTROL WIRELESS Irrigation tube (Pack of 3) and other accessories

Complete Set with SG20M

_	Surgic Pro2 NON-OPT	Y1500512
Optic	MODEL	ORDERCODE

- Contents
 Control Unit SG80M Non-Optic Micromotor
- SG20M Handpiece (20:1 Reduction)
 FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

Specifications

- [Control Unit with AHC]
 Power Supply: AC100-240V 50/60 Hz
- Max. Pump Output : 75 mL/min
- Programs : 8 Programs / Implant Systems Dimensions : W 245 × D 235 × H 90 mm

- Torque : 5-80 Ncm
- Motor Speed : 200-40,000 min-1
- Light Power: over 32,000 LUX (Optic Micromotor)
- Weight: 0.2 kg (with motor cord)
- [FOOT CONTROL WIRELESS]
- Foot Control Functions : Coolant Solution Flow Volume Button, PRG(Program) Button, Forward/Reverse Button, Speed Control Pedal
- Dimensions : W 260 x D 185 x H 65 mm
- Weight: 1.1 kg (with hanger)
 Electric Power Source:
- Three AAA/Micro/LR03, 1.5V alkaline batteries

OPTION

Wireless Link Tools [Surgic Pro2 × VarioSurg 3]

Connecting via the compact Wireless Link Set allows for operation of 2 surgical systems with a single wireless foot control.



MODEL	ORDER CODE
Link Module	Z1402001

[•] Link Box • Link Cable



MODEL	ORDER CODE
Link Stand2	Z1452001

Sterilization Cassette

The sterilization Cassette is designed for the safe processing and storage of Surgic Pro2 components.



MODEL	ORDER CODE
SG-CASE	Z313101

[•] Dimensions : W 279 x D 183 x H 34 mm

Carrying Case

Carrying case for componets and accessories of Surgic Pro2



Carrying Case	Y1004219
MODEL	ORDER CODE

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

iCart Duo

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

iCart Duo	\$9090
MODEL	ORDER CODE

[•] Dimensions : H 101.65 cm • Weight : 16.5 kg





NSK Surgic (*to*) NSK Surgic (*to*)

Maintaining Accurate Torque with AHC

NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments. There is normally a small misalignment between pre-set and actual torque values owing to friction between bearings and contra-angle gear. AHC corrects this misalignment to guarantee accurate torque values.

High-precision Calibration

Unloaded, loaded and speed level adjustments improve the precision of calibration, which can be according to handpiece usage.

Memorises Eight Different Implant Systems

The Surgic Pro memorises eight different implant systems and a total of 64 programs. The programmable parameters are gear ratio, speed, rotation direction, torque limit, coolant solution volume and illumination intensity. This is extremely useful when using two or more implant brands. Once you complete programming, simply push a button to call procedures up.

Data Log Function

The Surgic Pro's data log function can record and store speed, torque values, and other patient treatment data. Such efficient data management helps ensure safe clinical practices. *Maximum internal memory capacity is 100 minutes

Data Management

Treatment data can be easily accessed and downloaded using a USB stick. Files can be transferred and added to patient records. *USB memory stick not included.



Surgic Pro and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.

Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



Surgic Pro+



Surgic Pro+ Complete Set with X-DSG20L

Optic	MODEL	ORDER CODE
•	Surgic Pro+ OPT-D	Y1002096

- Contents
 Control Unit with data storage facility
- SGL70M LED Micromotor FC-78 Foot Control
- X-DSG20L Optic Handpiece (20:1 Reduction)
 Irrigation tube (5 pcs.) and other accessories

Surgic Pro Complete Set with X-SG20L

•	Surgic Pro OPT	Y1001933
Optic	MODEL	ORDER CODE

- Contents
 Control Unit without data storage facility
- SGL70M LED Micromotor FC-78 Foot Control
- X-SG20L Optic Handpiece (20:1 Reduction)
 Irrigation tube (5 pcs.) and other accessories

Surgic Pro Complete Set with SG20

Optic	MODEL	ORDER CODE
_	Surgic Pro NON-OPT	Y1001934

Contents

- Control Unit without data storage facility
 SG70M Non-Optic Micromotor FC-78 Foot Control
- SG20 Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories

Specifications

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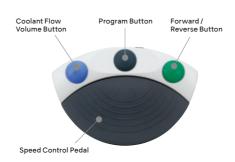
- [Control Unit with AHC]
- Power Supply : AC 230V 50/60 Hz Max. Pump Output : 75 mL/min
- Programs: 8 Programs / Implant Systems
 Dimensions: W 265 x D 220 x H 100 mm
- USB I/F: 1 Port (Surgic Pro+ Only)
 Built in Memory: 100 min (Surgic Pro+ Only)

- Torque : 5-80 Ncm
- Motor Speed : 200-40,000 min-1
- Light Power: over 32,000 LUX (LEDMicromotor)

- Foot Control Functions :
- Program Button, Speed Control Pedal Coolant Flow Volume Button Forward / Reverse Button

ACCESSORIES

Foot Control



MODEL ORDER CODE	FC-78	Z1102001
	MODEL	ORDER CODE

[•] With 2 m cord

Handle Set (Option)

Easy to attach foot control handle. Hanger can easily be moved with the foot control.



MODEL ORDER CODE

Sterilization Cassette (Option)

The sterilization Cassette is designed for the safe processing and storage of Surgic Pro components.



MODEL	ORDER CODE
SG-CASE	Z313101

 $[\]bullet$ Dimensions : W 279 x D 183 x H 34 mm

Carrying Case (Option)

The NSK Carrying Case can accommodate all Surgic Pro components as well as the optional sterilization cassette.



MODEL	ORDER CODE
Carrying Case (Surgic Pro)	Y1001952

 $[\]bullet$ Dimensions : W 534 x D 427 x H 207 mm

SG Link Set (Option) [Surgic Pro × VarioSurg 3]



VarioSurg3 Link set (E)	Y1002729
MODEL	ORDER CODE

[•] SG Link Stand • SG Link Cable

iCart Duo (Option)

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



[•] Dimensions : H 101.65 cm • Weight : 16.5 kg



Implant Handpieces

Surgical Implant Contra-angles



Dismantable Contra-angle

Gear Ratio	Optic	MODEL	ORDER CODE
20:1 Reduction	•	X-DSG20L	C1068
20:1 Reduction	_	X-DSG20	C1067

- Max. Torque: 80 Ncm Max. Speed: 2,000 min-1
- Titanium Body with Scratch Resistant DURACOAT
- $\bullet \ \mathsf{Cellular} \ \mathsf{Glass} \ \mathsf{Optics} \ (\mathsf{X-DSG20L}) \ \bullet \ \mathsf{Double} \ \mathsf{Sealing} \ \mathsf{System}$
- Push Button Chuck External and internal cooling

20:1	MSK Ti-Max X-SG20ML

Gear Ratio	Optic	MODEL	ORDER CODE
20:1 Reduction	•	X-SG20ML	CA13030001

- Max. Torque: 80 Ncm Max. Speed: 2,000 min
- . Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics Double Sealing System Push Button Chuck
- External and internal cooling
 Internal Spray Nozzle is sold separately



Gear Ratio	Optic	MODEL	ORDER CODE
20:1 Reduction	•	X-SG20L	C1003

- Titanium Body with Scratch Resistant DURACOAT
 Cellular Glass Optics Double Sealing System Push Button Chuck



20:1 Reduction		SG20M	CA13020001
Gear Ratio	Optic	MODEL	ORDER CODE

- Max. Torque: 80 Ncm Max. Speed: 2,000 min
- External and internal cooling
- * Internal Spray Nozzle is sold separately



Gear Ratio	Optic	MODEL	ORDER CODE
20:1 Reduction	_	SG20	C1010

- $\bullet \ \, \text{Stainless Steel Body} \bullet \ \, \text{Double Sealing System} \bullet \text{Push Button Chuck}$

Speed Increasing Surgical Contra-angles



Gear Ratio	Optic	MODEL	ORDER CODE
1:3 Increasing	•	X-SG93L	C1004
1:3 Increasing	_	X-SG93	C1007

- Max. Speed: 120,000 min-1
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics (X-SG93L) Clean Head System
 Push Button Chuck External cooling For FG burs (ø1.6)



Gear Ratio	Optic	MODEL	ORDER CODE
1:3 Increasing	•	Z-SG45L	C1107
1:3 Increasing	_	Z-SG45	C1108

- Max. Speed: 120.000 min-1
- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L)
 Clean Head System
 Push Button Chuck
 External cooling
 For FG burs (Ø1.6, 20-25 mm)
 Ceramic Bearings
 Anti Heat System

Direct-Drive Surgical Handpieces



Gear Ratio Optic MODEL ORDER CODE	1:1 Direct Drive	•	X-SG25L	C1011
	Gear Ratio	Optic	MODEL	ORDER CODE

- Max. Speed: 40.000 min⁻¹
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics Clean Head System
 Push Button Chuck External cooling For CA burs (ø2.35)



Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	•	X-SG65L	H1009
1:1 Direct Drive	_	X-SG65	H1038

- Max. Speed : 40,000 min⁻¹
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics (X-SG65L) Clean Head System
- External cooling For HP burs (ø2.35)

Implant Handpieces



20:1 Reduction	_	SGX-E20R	HA1200
Gear Ratio	Optic	MODEL	ORDER CODE

- Max. Torque : 50 Ncm Max. Speed : 2,000 min⁻¹ Stainless Steel Body
- Angle Handpiece Twist Chuck External Cooling
 For Osteotomy preparation / insertion of Zygoma implants for Maxillofacial / oral surgery

Micro Surgery Handpieces



Gear Ratio	MODEL	ORDER CODE
1:1 Direct Drive	SGS-ES	H264

• Max. Speed : 40,000 min⁻¹ • Twist chuck • Straight Handpiece



1:2 Increasing	SGS-E2S	H266	
Gear Ratio	MODEL	ORDER CODE	

• Max. Speed: 80,000 min⁻¹ • Twist chuck • Straight Handpiece





Gear Ratio	MODEL	ORDER CODE
1:1 Direct Drive	SGA-ES	H263

• Max. Speed: 40,000 min⁻¹ • Twist chuck • 20° Angle Handpiece

• For surgical burs (ø2.35)



Gear Ratio	MODEL	ORDER CODE
1:2 Increasing	SGA-E2S	H265

[•] Max. Speed: 80,000 min⁻¹ • Twist chuck • 20° Angle Handpiece

Micro Saw Handpieces



Gear Ratio MODEL ORDER CODE	3.2:1 Reduction	SGR2-E	SH162
	Gear Ratio	MODEL	ORDER CODE

• 1.8 mm Reciprocating • With External Spray Nozzle



Gear Ratio MODEL ORDER CODE	3.5:1 Reduction	SGO2-E	SH164
	Gear Ratio	MODEL	ORDER CODE

• 17° Osillating • With External Spray Nozzle



• 3° Sagittal • With External Spray Nozzle

Blades for Reciprocating

Y900072 • Pack of 10 blades Y900073	10
V000073	
• Pack of 10 blades	20
Y900074 • Pack of 10 blades	30
	Y900074

Blades for Sagittal

Y900075 0.35 mm • Pack of 10 blades	φ 25
Y900076 0.35 mm • Pack of 10 blades	25
	Pack of 10 blades Y900076

ORDER CODE

Blades for Oscillating

MODEL	ORDER CODE		
SGO-1 Blade thickness 0.3 mm	H174034 • Single blade	5.0	30
SGO-2 • Blade thickness 0.3 mm	H174044 • Single blade	10.5	45
SGO-3 • Blade thickness 0.3 mm	H174031 • Single blade	15.5	30
SGO-4 • Blade thickness 0.3 mm	H174041 • Single blade	15.5	45
SGO-5 • Blade thickness 0.35 mm	H174032 • Single blade	φ. [9.2]	30
SGO-6 • Blade thickness 0.35 mm	H174042 • Single blade		45

₩ Washable in the thermodisinfector

[•] For surgical burs (ø2.35)

20

Osseo 100+

Removes Doubt

Osseo 100 measures implant stability and osseointegration to support decision on when to load an implant. Especially important when working with shorter treatment time or managing risk patients.

> Reduce treatment time

> > One stage, immediate loading, early loading.

3-step procedure

- 1. The MulTipeg™ is attached to the implant. It screws effortlessly into the implant's internal threads. (approximately 6-8 Ncm of torque).
- $\textbf{2. Just aim for the magnet on top of the MulTipeg}^{\text{\scriptsize{\textbf{TM}}}}. Non-invasive, objective, accurate and repeatable. The peg is$ responding by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the
- 3. An ISQ value is generated and shown on the display. This reflects the level of stability on the universal ISQ scale from 1 to 99. The higher the ISQ value, the more stable the implant.



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The uncomplicated procedure that measures ISQ allows the implant loading period to be planned in advance. The reconstruction of crowns and bridges can be monitored to optimize timing to decrease the risk for failures. Measurements can be made without unnecessary impact since the equipment does not come into physical contact with the implant or abutment.

Wireless connection with Surgic Pro2

Osseo 100+

Connectivity with Surgic Pro2

The ISQ value is transferred automatically when connected with Surgic Pro2. The Bluetooth® connection means that clinical procedures will be undisturbed.

Wireless data management

The measured ISQ can be shared and processed with data on external terminals via Surgic Pro2.



Stand-alone

Osseo 100

By mounting a MulTipeg $^{\mbox{\scriptsize TM}}$ the measurement is made in a second. A numerical result appears on an LED screen and that indicates how well the implant has integrated.



Reusable MulTipeg™

- For all major implant systems *
- Tissue friendly, durable titanium
- Autoclavable appx. 20 times
- Optimal platform fit
- ISQ Standard Calibrated

*There are different MulTipegs $^{\text{M}}$ available made to fit different implant system and types. Please refer to the updated list from the supplier.



Common Co



Wireless connection with Surgic Pro2

MODEL	REF
Osseo 100+	Y1004176

Contents

• Osseo 100+ Instrument • MulTipeg Driver • Mains adapter and plugs

Stand-alone

MODEL	REF
Osseo 100	Y1004175

Contents
• Osseo 100 Instrument • MulTipeg Driver • Mains adapter and plugs

Specifications • Power input: 5VDC, 1 VA

- Charger input: 100-240 VAC, 5VA
- Battery full charge time : appx. 3 hours.*
- Instrument weight: 78 g
- Battery continuous drive time : appx. 1 hour.*



Accommodating diverse operative fields

It can be difficult to maintain good visibility of the operating field when retracting the buccal mucosa when using a conventional ratchet wrench with both hands. The iSD900 allows single-handed operations to ensure better visibility across the whole operating field.



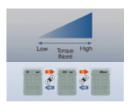
Torque calibration system to guarantee safety

The unique torque calibration system (TCS) of the iSD900 ensures accurate torque values at all times.



Torque range accommodating diverse procedures and three rotation speeds

NSK's iSD900 has a torque range of 10 Ncm to 40 Ncm to ensure precise torque adjustments and settings in 1 Ncm or 5 Ncm increments according to procedures. The iSD900 offers 15 min⁻¹, 20 min⁻¹, and 25 min⁻¹ speeds according to procedure requirements.



Ergonomic extension ON/OFF switch lever

The extended ON/OFF switch lever makes work easier inside the oral cavities and is removable if necessary. The lever can be autoclaved and thermo-disinfected.

Advanced non-contact quick charger

The advanced non-contact quick charger charges the instrument in just 90 minutes.

iSD900 Complete Set

MODEL ORDER CODE

- Contents
 iSD900 Motor iSD-HP Quick Charger for iSD900
- Torque Calibrator On/Off Switch Lever

- Specifications
 Torque: 10 40 Ncm in 1 or 5 Ncm increments
 Speed: 15, 20, 25 min⁻¹
- Weight: 148 g (iSD900 Motor + iSD-HP)
 Charging Time: Around 90 min*
- Continuous Operation Time : Max 72 min*



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 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

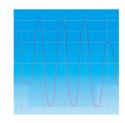
The oscillating frequency is automatically controlled to ensure the set output values are always accurately delivered at the tip to maintain ideal vibration.

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

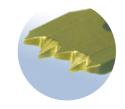
 $\label{thm:compliance} Compliance with autoclaving and thermo-disinfection requirements to guarantee patient safety.$

Ultrasonic Surgery Tips

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







The tips are designed to preserve tissue, maintain cutting speed and easily cut into bone.

Saw like teeth on an uneven blade edge enhances bone cutting. This also reduces clogging to maintain cutting speed.

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

VarioSurg 3



Complete Set

•	VarioSurg 3	Y1002726
Optic	MODEL	ORDER CODE

- 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)

Complete Set without Foot Control

•	VarioSurg 3 Non FT	Y1002248	
Optic	MODEL	ORDER CODE	

- $\begin{tabular}{ll} \textbf{Contents} \\ \bullet \textbf{Control Unit} & \bullet \textbf{LED Handpiece with 2 m cord} & \bullet \textbf{Sterilization Cassette} \\ \end{tabular}$
- Handpiece Stand Irrigation tube (5 pcs.) and other accessories
 Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Specifications

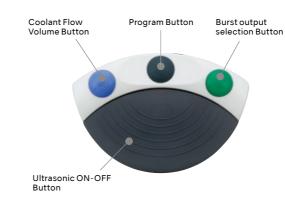
[Control Unit]

- Frequency : 28-32 kHz Power Supply : 230 V 50/60 Hz
- Irrigation Flow Rate: 10-75 mL/min
- Programs : SURG \times 5, ENDO \times 2, PERIO \times 2
- Dimensions : W 265 × D 220 × H 103 mm

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.



10DEL ORDER CODE	/A-SG-CASE	Z313102
	10DEL	ORDER CODE

- Dimensions : W 281 x D 171.5 x H 47 mm
- wrench and tip holders

Carrying Case (Option)

The Carrying Case neatly stores all VarioSurg 3



-	Carrying Case (VarioSurg3)	Y1002768
ı	MODEL	ORDER CODE

Dimensions: W534 x D 427 x H 207 mm

iCart Duo (Option)

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

Spare Parts and Accessories

Surgic Pro2

3					
MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
SGL80M Optic Motor & Cord		Y1004211	Coolant Solution Hanger Post	s	U370152
SG80M Non-Optic Motor & Cord		Y1004212	Irrigation Tube (Pack of 5)		Y900113
Motor cord		E1198061	AC Power Cord	-0 2	U198013
Гube Holder	0	E1198105	Handpiece Stand	11/20	Z1402110
FC-81 FOOT CONTROL WIRELESS		Z1401001	Calibration Bur		Z1057101

MODEL

Link Module

Calibration Bur

MODEL	PRODUCTS	ORDERCODE
Tube Holder (Pack of 7)		Y900083
Protection Plug		10001595
SG-CASE Sterilization Cassette		Z313101

FC-78

Link Stand2

MODEL

Surgic Pro2 / VarioSurg 3

PRODUCTS

ORDER CODE

Z1452001

Surgic Pro					
MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDERCODE
SGL70M Optic Motor & Cord	Har button (E1023	Handle Set		Z1027001
SG70M Non-Optic Motor & Cord	#1 = baston	E1025	Coolant Solution Hanger Post		U370152
Motor cord	Q	E1023061	Irrigation Tube (Pack of 5)		Y900113
Tube Holder	0	E295105	Handpiece Stand		Z1029201

MODEL	PRODUCTS	ORDERCODE
Tube Holder (Pack of 7)		Y900083
Protection Plug		10001595
SG-CASE Sterilization Cassette		Z313101

Surgic Pro / VarioSurg 3

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MODEL	PRODUCTS	ORDERCODE	Μ
SG Link Stand	THE STATE OF THE S	Z1176	5

MODEL	PRODUCTS	ORDERCODE
SG Link Cable		Z1189

PRODUCTS

ORDER CODE

Z1402001

Z1057101

Zygomatic Implant Handpiece Micro Saw Handpieces

Z1102001

MODEL	PRODUCTS	ORDER CODE	M
Spray Nozzle For SGX-E20R		HA12000122	S

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MODEL	PRODUCTS	ORDER COD
Spray Nozzle For SGR, SGT, SGO	9	SH16203

MODEL	PRODUCTS	ORDER CODE
Spanner 8x5	>	K040751

Micro Surgery Handpieces

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MODEL		PRODUCTS	ORDER CODE
Spray Nozzle For SGS, SGA			H263018

Internal Spray Nozzle		10000324
Spray Nozzle For X-SG20ML	M	CA13030107



MODEL

CA13020115

MODEL PRODUCTS ORDER CODE Y-Connector 20000357

Cleaning Wire 20000512

PRODUCTS

ORDER CODE

C823752

Spray Nozzle For SG20M

Implant Handpieces

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDERCODE	MODEL	PRODUCTS	ORDER CODE
MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDERCODE	MODEL	PRODUCTS	ORDERCODE
MulTipeg Driver	•	55003	EU plug	•	55264	AU plug		55266
Sterile cover		55105	UK plug		55265	US plug	1. 1	55267
Mains adapter	-	55263						

iSD900								
MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
Quick Charger for iSD900		U1070001	Power Cord	6	U439551	On/Off Switch Lever	B	Z1070001
iSD900 Motor	- 4F80	E1060001	Torque Calibrator	0	Z1056001	Ni-MH Rechargeable Battery (Pack of 2)		Y900103
iSD-HP		C1060001	Calibration Bur	Name of the last o	Z1057101	* Use only a rechargeable bati Hydride). Never attempt to u		

VarioSurg 3

CR-30 Tip Wrench

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
VS3-LED-HPSC with 2m cord	e usiju	E1133	Tips Holder	0000	20001327
E Tip Replacement Wrench For V10-S	t	Z217399	Handpiece Stand		Z1029201
CR-40 VS Tip Wrench For SG1A, SG8A, Socket Lift Tip	PARTY ES	Z305350	Saline Solution Hanger Post		U564152

10000977

327	Irrigation Tube (Pack of 5)		Y900113
201	Tube Holder (Pack of 7)		Y900767
52	VA-SG-CASE Sterilization Cassette	and the same	Z313102

PRODUCTS

ORDERCODE