



SURGICAL

Surgic Pro2 × VarioSurg 3



SYNERGY IN IMPLANTOLOGY

Link 2 Systems

Surgic Pro2 and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro2 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.



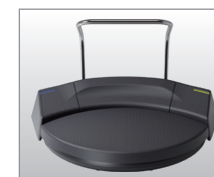
Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro2 and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



Link Stand2

With the NSK link stand the two units can be safely stacked to save space.



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.



Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.

Surgic Pro+ × VarioSurg 3



SYNERGY IN IMPLANTOLOGY

Two linked surgical systems that use a single foot control.
A brand new approach to implant and surgical treatment.

Link 2 Systems

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Surgic Pro+

The Professional Choice

NSK offers advanced technology to greatly enhance clinical performance. Surgic Pro is compact, lightweight and powerful to reliably deliver everything that professionals demand.

Calibration

NSK's Drive for Accuracy Ensures Safe Treatment Through Accurate Torque Correction



Maintaining Accurate Torque with AHC

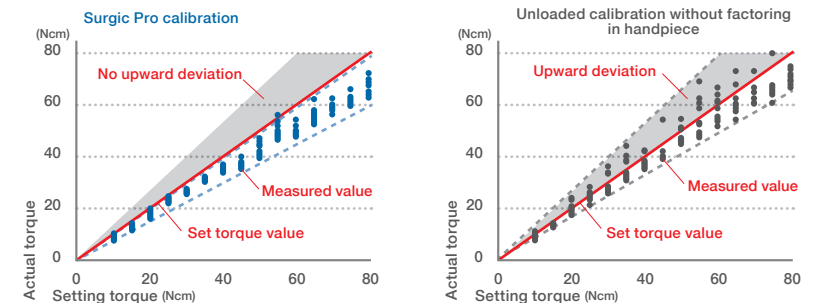
NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments.

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.

NSK's Safe Calibration Approach Factors in Handpiece Usage Conditions



An Advanced Surgical Motor for Demanding Clinical Environments

NSK developed the Surgic Pro SGL70M by analyzing feedback from clinicians to ensure that this 5th generation surgical micromotor satisfies professional requirements. The light and compact Surgic Pro SGL70M features an LED light for high visibility, with up to 80 Ncm of torque for diverse surgical procedures, paving the way for an advanced treatment environment.



Well-balanced, with a Compact and Lightweight Micromotor

Streamlining efforts reduced the size by 16.2 mm and the weight by 42 g to improve balance during use the Surgic Pro motor, greatly reducing any strain on clinicians.

LED Optics for Safer, More Accurate Treatment

NSK LEDs generate natural daylight-quality light to illuminate the treatment area, enabling more precise surgery and shortened operation times. The lights increase safety because they do not overheat and are long-lasting.



Optic	MODEL	ORDER CODE
●	SGL70M	E1023
—	SG70M	E1025

- Solid titanium body
- with Cord 2 m

Compact Body and Large LCD Display

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



Advanced Irrigation Pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation.

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.

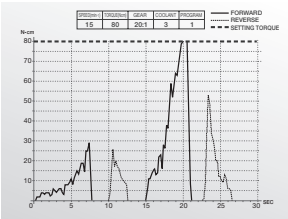
*USB memory stick not included.



Easy Treatment Data Handling

No specific software is required to display CSV or bitmap files.

*File formats : csv or bmp



Surgic Pro+



Surgic Pro+ Complete Set with X-DSG20L Optic Handpiece

Optic	MODEL	ORDER CODE
●	Surgic Pro + OPT-D (230V)	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 Optic Handpiece

Optic	MODEL	ORDER CODE
●	Surgic Pro OPT (230V)	Y1001933

- 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 Handpiece

Optic	MODEL	ORDER CODE
—	Surgic Pro NON-OPT (230V)	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

Control Unit with AHC

- Power Supply : AC 230 V 50/60 Hz
- Max. Pump Output : 75 mL/min
- Programs : 8 Programs / Implant Systems
- Dimensions : W 265 x D 220 x H 100 mm

Micromotor

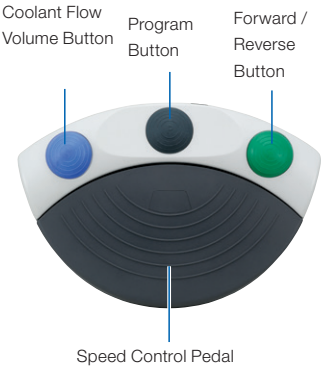
- Torque : 5-80 Ncm
- Motor Speed : 200-40,000 min⁻¹
- Light Power (LED Micromotor) : over 32,000 LUX

Foot Control

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

Foot Control

The Foot Control is user friendly and allows operation of all functions within the preset parameters without touching the control panel to avoid accidental activation of the micromotor outside the preset limits. The Surgic Pro/Surgic Pro+ is certificated according to IPX8.



MODEL	ORDER CODE
FC-78	Z1102001
FC-78 (3.5m)	Z1102002
• With 2 m cord • With 3.5 m cord	

Handle Set (Optional)

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



MODEL	ORDER CODE
Handle Set	Z1027001

Optional

Carrying Case

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

iCart Duo

Install the control unit and accessories on the cart.



MODEL	ORDER CODE
iCart Duo	S9090
• Dimensions : H 101.65 cm • Weight : 16.5 kg	

Implant Handpieces

Dismantlable Contra-angle Handling up to 80 Ncm of Torque



Ti-Max X-DSG20L



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹

Dismantling Surgical Handpiece

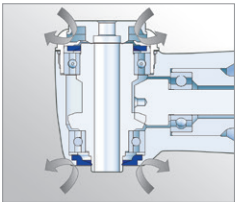


	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-DSG20L	C1068
	—	X-DSG20	C1067



Easy to Disassemble and Clean

The DSG20 contra-angle can be disassembled with a simple twist for easy internal cleaning. NSK's unique locking mechanism prevents accidental disassembly during operation.



Double Sealing System

NSK's unique double sealing system prevents blood and other contaminants from entering the instrument head to ensure longevity of the instruments.



Can be use
up to 80 Ncm



Washable in the
thermodisinfectant



Autoclavable
up to 135°C

Implant Handpieces

Ti-Max X-SG20L



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹





	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-SG20L	C1003

Ti-Max X-SG93L



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





	Optic	MODEL	ORDER CODE
1:3 Increasing	●	X-SG93L	C1004
	—	X-SG93	C1007

S-Max SG20

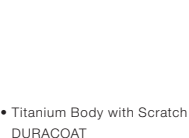


- Stainless Steel Body
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹





	Optic	MODEL	ORDER CODE
20:1 Reduction	—	SG20	C1010

Ti-Max X-SG25L



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



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG25L	C1011

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)



Can be use
up to 80 Ncm



Washable in the
thermodisinfector



Autoclavable
up to 135°C



Washable in the
thermodisinfector



Autoclavable
up to 135°C

Implant Handpieces

Ti-Max X-SG65L

Straight Handpiece



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

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG65L	H1009
	—	X-SG65	H1038

Ti-Max Z-SG45L



Triple Spray



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L)
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- External cooling
- For FG burs (ø1.6 / 20-25 mm)
- Anti Heat System
- DLC Coating
- Max. Speed : 120,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:3 Increasing	●	Z-SG45L	C1107
	—	Z-SG45	C1108

Micro Surgery Handpieces

Straight Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹



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

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min⁻¹



	MODEL	ORDER CODE
1: 2 Increasing	SGS-E2S	H266

20° Angle Handpieces

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹



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

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min⁻¹



	MODEL	ORDER CODE
1: 2 Increasing	SGA-E2S	H265

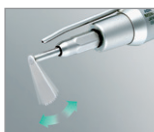
Micro Saw Handpieces



- 1.8 mm Reciprocating
- With External Spray Nozzle



	MODEL	ORDER CODE
3.2:1 Reduction	SGR2-E	SH162



- 17° Oscillating
- With External Spray Nozzle



	MODEL	ORDER CODE
3.5:1 Reduction	SGO2-E	SH164






- 3° Sagittal
- With External Spray Nozzle


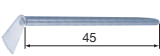

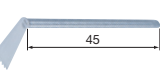

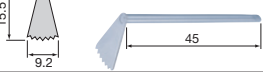


	MODEL	ORDER CODE
3.2:1 Reduction	SGT2-E	SH163

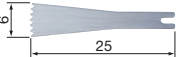

SGR2-E Blades for Reciprocating

MODEL		ORDER CODE
SGR-1		<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades Y900072
SGR-2		<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades Y900073
SGR-3		<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades Y900074

SGO2-E Blades for Oscillating

MODEL		ORDER CODE
SGO-1		<ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade H174034
SGO-2		<ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade H174044
SGO-3		<ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade H174031
SGO-4		<ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade H174041
SGO-5		<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Single blade H174032
SGO-6		<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Single blade H174042

SGT2-E Blades for Sagittal

MODEL		ORDER CODE
SGT-1		<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades Y900075
SGT-2		<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades Y900076

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.

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.

Stand-alone Osseo 100

By mounting a MultiTipeg™ the measurement is made in a second. A numerical result appears on an LED screen and that indicates how well the implant has integrated.



3-step procedure

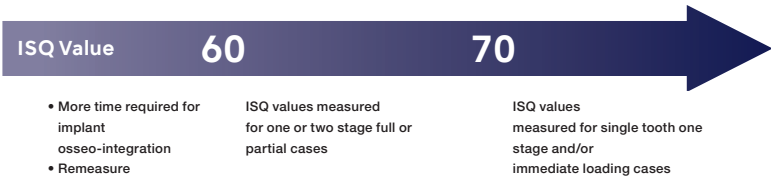
- 1. The MultiPeg™ is attached to the implant. It screws effortlessly into the implant's internal threads. (approximately 6-8 Ncm of torque).
- 2. Just aim for the magnet on top of the MultiPeg™. Non-invasive, objective, accurate and repeatable. The peg is excited by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the implant surface.
- 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.



About ISQ

Decreasing micro mobility with increasing ISQ values.
By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.

*The below is not a clinical recommendation from NSK.



1 . Sennerby L Prof., Implantologie 2013; 21(1): 21-23
2 . Kokovic V, Jung R, Feloutzis A, Todovic V, Jurisic M, Hämmerle C. Clinical Oral Implants Research, 00, 2013, 1-6
3 . M Bornstein, C Hart, S Halbritter, D Morton, D Buser, Prof. Dr. med. dent. Clin Implant Dent Relat Res 2009
4 . Serge Baltayan, Joan Pi-Anfruns, Tara Aghaloo, Peter Moy. J Oral Maxillofac Surg 74:1145-1152, 2016
5 . P O Östman, Private practitioner, Falun- and Biomaterial Group, Sahlgrenska Academy Gothenburg. Clinical Implant Dentistry and Related Research, Volume 7, Supplement 1, 2015
6 . Daniel Rodrigo, Luis Aracil, Conchita Martin, Mariano Sanz. Clin. Oral Impl. Res. 21, 2010; 255-261
7 . Pagliani L, Sennerby L, Petersson A, Verrocchi D, Volpe S & Andersson P. Journal of Oral Rehabilitation 2012
8 . P Trisi PhD, T Carlesi DDS, M Colagiovanni DDS, G Perfetti MD, DDS. Journal of Osteology and Biomaterials, Volume 1, Number 3, 2010
9 . S Hicklin, E Schneebeli, V Chappuis, S Francesco, M Janner, D Buser, U Brägger. Clin. Oral Impl. Res. 00, 2015; 1-9
10. L. Milillo, C. Fianadaca, F. Giannoulis, L. Ottria, A. Lucchese, F. Silvestre, M. Petruzzi. Oral & Implantology - anno IX - n. 3/2016

REUTILIZABLE MultiPeg™

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

*There are different MultiPegs™ available made to fit different implant system and types. Please refer to the updated list from the supplier.



Stand-alone
Osseo 100

Contents
• Osseo 100 Instrument
• MultiPeg Driver
• Mains adapter and plugs
MultiPeg™ is not included, sold separately.

MODEL	ORDER CODE
Osseo 100+	Y1004176
Osseo 100	Y1004175

Specifications

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

*Varies depending on usage situations.

iSD900



Advantages

- Universal to major implant systems
- Reliable and durable contra-angle handpiece with excellent accessibility
- Audible beeping noise to indicate reverse rotation
- Standard battery (AAA Ni-MH) is easily replaced on site
- LCD control panel offering outstanding visibility and operability

Faster and Safer Implant Treatments

NSK's iSD900 cordless screwdriver helps to safely place and remove cover screws, healing caps and abutments during dental implant procedures, making treatment up to 50% faster.



Faster Treatment

NSK's iSD900 cordless screwdriver safely inserts and removes cover screws, healing caps and abutments during implant procedures, making treatment up to 50% faster.



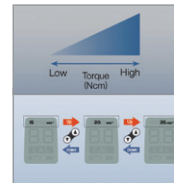
Accommodating Diverse Operative Fields

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.



Torque Calibrator

iSD900 Complete Set

MODEL	ORDER CODE
iSD900	Y1001358

- 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*

*these may change according to the usage environment.

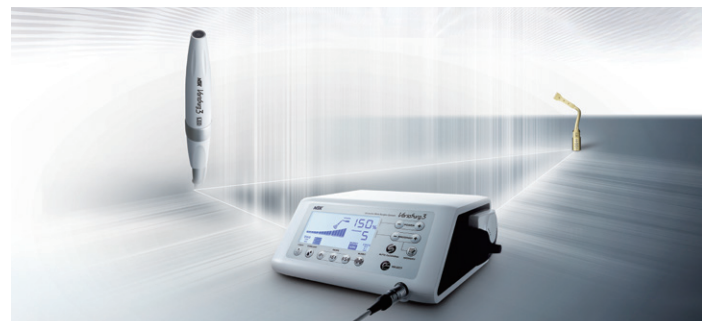
VarioSurg 3



Trinity

Out Standing 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

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.

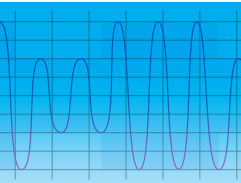
Auto-Tuning function

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

Control Unit

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 75 mL 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.

Handpiece

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

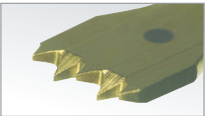
NSK LEDs generate natural daylight-quality light to perfectly illuminate the treatment area, enabling more precise treatments and shortening treatment times. LEDs are safe and do not overheat, even during extended use, and are economical due to their long life. Proprietary twin LED lights eliminate shadows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



Optic	MODEL	ORDER CODE
●	VS3-LED-HPSC	E1133

• with 2 m cord

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.



VarioSurg 3



VarioSurg 3 Complete Set

Optic	MODEL	ORDER CODE
●	VarioSurg 3 (230V)	Y1002726
●	VarioSurg 3 (120V)	Y1002725

- 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 : AC 230 V 50/60 Hz • Irrigation Flow Rate : 10-75 mL/min
 - Programs : SURG x 5, ENDO x 2, PERIO x 2 • Dimensions : W 265 x D 220 x H 100 mm

VarioSurg 3 Complete Set without Foot Control

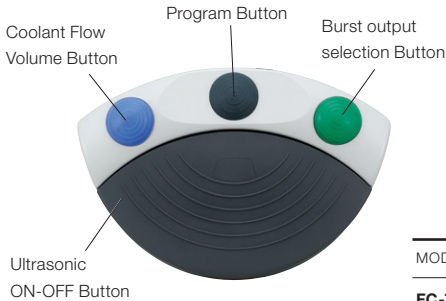
Optic	MODEL	ORDER CODE
●	VarioSurg 3 (230V) Non FT	Y1002248

- 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)

Foot Control

Hands-Free Program Adjustments Via Foot Control

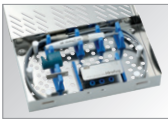
The VarioSurg 3 foot control conforms with the IPX8 standard for medical foot control systems. All functions are clearly marked and allow accurate and hands-free operation of the unit within the pre-set parameters. Using the metal bar the foot control can easily be re-positioned at any time.



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 171.5 x H 47 mm	
• Has dedicated compartments for handpiece, cord, tip replacement wrench and tip holders	



SG Link Set (Optional)



MODEL	ORDER CODE
VarioSurg3 Link set (E)	Y1002729

- Contents
- SG Link Stand • SG Link Cable

Specifications

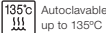
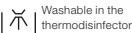
- SG Link Stand • Dimensions : W 210 x D 300 x H 180 mm
- Weight : 1.85 kg • SG Link Cable • Length : 355 mm

Carrying Case (Optional)

The Carrying Case neatly stores all VarioSurg 3 components.



MODEL	ORDER CODE
Carrying Case(VarioSurg 3)	Y1002768
• Dimensions : W 534 x D 427 x H 207 mm	



Ultrasonic Surgery Tips

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

Bone Surgery



Scraper



Sinus Lift



Sinus Membrane Detachment



Scaling



Maintenance (V-Tip)



Extraction



Socket Lift (Crestal Approach)



Implant Preparation



Perio (Root Planing)



Endodontics



Bone Surgery (TIN coating)



POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG1	Z305151

- Dots mark 3, 6 and 9 mm from top of tip
- Five teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG1A	Z305138

- Dots mark 3, 6, 9,12 and 15 mm from top of tip
- Five teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG2R	Z305102

- Right curved tip*
- Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG2L	Z305103

- Left curved tip*
- Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8	Z305155

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
—	SG8A	Z305139

- Dots mark 3, 6, 9,12 and 15 mm from top of tip
- Three teeth; 0.6 mm thick

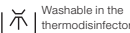
POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8R	Z305156

- Marking every 2 and 4 mm from top of tip (Single side)
- Right curved tip* • Three teeth; 0.6 mm thick

POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8L	Z305157

- Marking every 2 and 4 mm from top of tip (Single side)
- Left curved tip* • Three teeth; 0.6 mm thick




* The direction of the tip's curve is defined by the tip's anterior view.



Bone Surgery (TIN coating)

	MODEL	ORDER CODE
	SG14R	Z305122
	MODEL	ORDER CODE
	SG14L	Z305123
	MODEL	ORDER CODE
	SG19	Z305135
	MODEL	ORDER CODE
	SG30	Z305137
	MODEL	ORDER CODE
	SG58	Z305141
	MODEL	ORDER CODE
	SG68	Z305143

Scraper (TIN coating)

	MODEL	ORDER CODE
	SG3	Z305104
	MODEL	ORDER CODE
	SG4	Z305105
	MODEL	ORDER CODE
	SG5	Z305106

Extraction (TIN coating)

	MODEL	ORDER CODE
	SG17	Z305132
	MODEL	ORDER CODE
	SG18R	Z305133
	MODEL	ORDER CODE
	SG18L	Z305134

* The direction of the tip's angle is defined by the tip's anterior view.

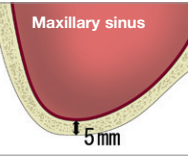
Specialty Tips Exclusively for Sockets

Used as part of the socket lift method to swiftly perform sinus lift procedures, NSK's new tip lineup is designed for minimal surgical invasiveness.

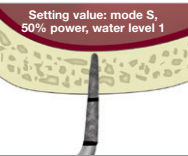
Process example for elevation of maxillary sinus membrane

A type of implant preparation site for a regular size implant ø4.0 mm.

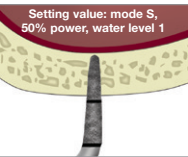
At the case of using VarioSurg



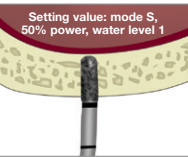
*A case of around 5 mm from the base of cortical bone to maxillary sinus.
*Bone tissue is type 3 and good condition.
*In addition to positive diagnosis by CT image, the vertical bone width should be diagnosed well and the implant preparation site could be formed until the base of maxillary antrum.



1. Bone cutting to within 1 mm to the base of maxillary antrum by using SG15A tip. Please be careful not to push the tip too much.



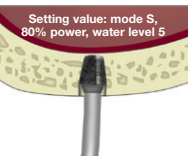
2. Repeat bone cutting using SG15B tip to increase width. Please be careful not to push the tip too much.



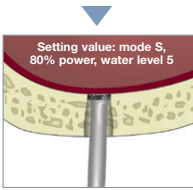
3. Bone cutting by using SG16A tip. The implant preparation site is formed until little of the base of cortical bone remains.



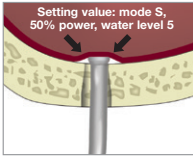
4. Repeat bone cutting by using SG16B tip. The implant preparation site is formed until little of the base of cortical bone remains.



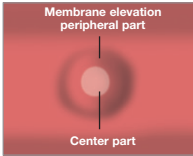
5. Using sufficient water irrigation, the implant preparation site is formed by using SCL2D tip. The water level is set to 5. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane. At the case of using drilling, this step is excluded.



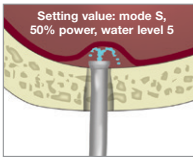
6. Using sufficient water irrigation, the implant preparation site is continued to be formed by using SCL1D tip. The water level is set to 5. The cavity floor of the implant preparation site is cut by using the edge of the top of the tip. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane.



7. The maxillary antrum membrane is exfoliated by using SCL1 tip. The water level is set to 5. Slowly insert the top of the tip between the membrane and bone. Moving the tip along the wall of the implant preparation site will exfoliate the membrane. Please be careful, since the membrane can be torn at the edge (arrow part) between the bone and the membrane.

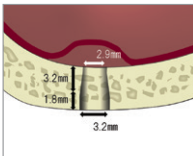


This image shows the elevated membrane which you will see from the maxillary antrum side. Please check the condition of maxillary antrum membrane using the endoscope.

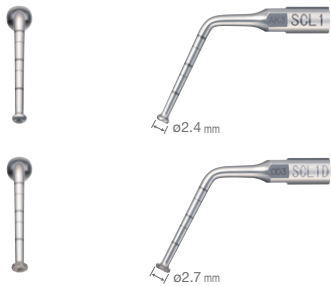


8. The Maxillary antrum membrane can now be elevated by using SCL1 tip.

9. The completed formation of the implant preparation site. At the case of using drilling, the straight implant preparation site of 3.2 mm is formed.




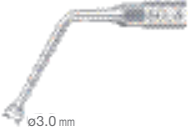










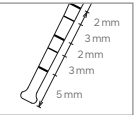
Socket Lift (Crestal Approach)



MODEL	ORDER CODE
SCL1	Z305170
• Internal irrigation	
MODEL	ORDER CODE
SCL1D	Z305171
• Internal irrigation • Diamond coating	





Socket Lift (Crestal Approach)

		MODEL	ORDER CODE
		SCL2D	Z305182
		<ul style="list-style-type: none">• Internal irrigation• Diamond coating	
		MODEL	ORDER CODE
		SCL3	Z305172
		<ul style="list-style-type: none">• Internal irrigation	
		MODEL	ORDER CODE
		SCL3D	Z305173
		<ul style="list-style-type: none">• Internal irrigation• Diamond coating	
		MODEL	ORDER CODE
		SCL4D	Z305184
		<ul style="list-style-type: none">• Internal irrigation• Diamond coating	
		MODEL	ORDER CODE
		SCL5	Z305174
		<ul style="list-style-type: none">• Internal irrigation	
		MODEL	ORDER CODE
		SCL5D	Z305175
		<ul style="list-style-type: none">• Internal irrigation• Diamond coating	









The estimated depth of the implant preparation site can be measured with the scale on the Tip.













Sinus Lift

		MODEL	ORDER CODE
		SG6D	Z305107
		MODEL	ORDER CODE
		SG7D	Z305108

Sinus Membrane Detachment

		MODEL	ORDER CODE
		SG9	Z305110
		<ul style="list-style-type: none">• Flat circular convex elevator• Angled at 90°	
		MODEL	ORDER CODE
		SG10	Z305111
		<ul style="list-style-type: none">• Flat circular convex elevator• Angled at 135°	
		MODEL	ORDER CODE
		SG11	Z305112
		<ul style="list-style-type: none">• Cone compressor	










Implant Preparation

		MODEL	ORDER CODE
		SG15A	Z305124
		• Diameter of the tip end; 0.7 mm	
		MODEL	ORDER CODE
		SG15B	Z305125
		• Diameter of the tip end; 1.3 mm	
		MODEL	ORDER CODE
		SG15C	Z305126
		• Diameter of the tip end; 0.9 mm	
		MODEL	ORDER CODE
		SG15D	Z305127
		• Diameter of the tip end; 1.3 mm	
		MODEL	ORDER CODE
		SG16A	Z305128
		• Diameter; 2.0 mm	
		MODEL	ORDER CODE
		SG16B	Z305129
		• Diameter; 2.6 mm	

Scaling

			MODEL	ORDER CODE
			G1-S	Z305113

Perio (Root Planing)

			MODEL	ORDER CODE
			P20-S	Z305114
			• Straight tip	
			MODEL	ORDER CODE
	(From above)		P25R-S	Z305115
			• Right curved tip*	
			MODEL	ORDER CODE
	(From above)		P25L-S	Z305116
			• Left curved tip*	


* The direction of the tip's curve is defined by the tip's anterior view.

Maintenance (V-Tip)

Perio-Control




V-Tip Holder




V10-S




(From above)



(From above)



(From above)



(From above)

MODEL	ORDER CODE
V10-S	Z305117
• Includes E-Tip replacement wrench • Plastic Tip is not included	

MODEL	ORDER CODE
V-P10	Y900184
• Pack of 3 • V10-S holder is not included	




MODEL	ORDER CODE
V-P12	Y1002167
• Pack of 3 • V10-S holder is not included	




MODEL	ORDER CODE
V-P11R	Y1002165
• Right curved type* • Pack of 3 • V10-S holder is not included	




MODEL	ORDER CODE
V-P11L	Y1002166
• Left curved type* • Pack of 3 • V10-S holder is not included	




■ V-P11R, V-P11L, V-P12 can be used only for VarioSurg 3.

Endodontics









MODEL	ORDER CODE
E30RD-S	Z305118
• For posterior teeth (right angled)	

MODEL	ORDER CODE
E30LD-S	Z305119
• For posterior teeth (left angled)	

MODEL	ORDER CODE
E31D-S	Z305120
• For anterior and posterior teeth (70°)	

MODEL	ORDER CODE
E32D-S	Z305121
• For anterior teeth (90°)	

* The direction of the tip's curve is defined by the tip's anterior view.