VARIOSURG TIP LINEUP

ULTRASONIC TIPS

NSK offers a range of over 50 tips optimised for the three modes of the VariaSurg Series.

- **PERIO**: **EURO** mode for bone surgery
- **ENDO**: **EURO** mode for root canal treatment
- **PERIO**: **EURO** mode for maintenance
- **BONE SURGERY**: **EURO** mode for bone surgery
- **SCALER**: **EURO** mode for maintenance
- **EXTRACTION**: **EURO** mode for maintenance
- **IMPLANT PREPARATION**: **EURO** mode for maintenance
- **SINUS LIFT**: **EURO** mode for maintenance
- **SINUS MEMBRANE DETACHMENT**: **EURO** mode for maintenance

The tips are designed to preserve tissues, maintain cutting speed and easily cut into bone. Bow the tooth on an uneven blade edge enhances bone cutting. This also reduces clogging in maintenance cutting speed.

NSK Tip Kit: Replaceable in the Thermo-instructor

NSK Tip Kit: Replaceable up to 120°C

**Tips that correspond to high power can be used up to 780W power setting.**
EVOLVED POTENTIAL

Embodifying the Pursuit of Perfection

Ultrasonic bone surgery systems are essential in modern surgical and implant treatment. The powerful VarioSurg3 handpiece features a slim and lightweight body that ensures minimal hand fatigue and outstanding visibility. A variety of tips makes procedures easier and time-saving to help provide more precise and efficient treatment.
BONE SURGERY
For thin bone harvests, notably for the mental foramen and mandibular ramus. For general bone surgery.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>POWER LEVEL (%)</th>
<th>MODEL</th>
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<th>MODEL</th>
<th>POWER LEVEL (%)</th>
<th>MODEL</th>
<th>POWER LEVEL (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG1</td>
<td>25%</td>
<td>H-SG1</td>
<td>100%</td>
<td>SG1A</td>
<td>86%</td>
<td>SG8</td>
<td>27%</td>
</tr>
</tbody>
</table>

For use in deeper regions requiring longer tips.

<table>
<thead>
<tr>
<th>ORDER CODE</th>
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<tbody>
<tr>
<td>Z305101</td>
<td>Z305151</td>
<td>Z305138</td>
<td>Z305109</td>
</tr>
</tbody>
</table>

For clinical cases that restrict movement distances around the lip.

<table>
<thead>
<tr>
<th>ORDER CODE</th>
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<tbody>
<tr>
<td>Z305155</td>
<td>Z305129</td>
</tr>
</tbody>
</table>
**BONE SURGERY**

For harvesting bone from the mandibular ramus.

**MODEL**
- **H-SG8R**
- **H-SG8L**

**POWER LEVEL:** 50%

**MODEL**
- **H-SG8R**
- **H-SG8L**

**POWER LEVEL:** 70%

**ORDER CODE**
- 2305156
- 2305157

**Anterior mandible harvesting SG14R, SG14L.**

* The direction of the tip curve is indicated by the arrow anterior view.
BONE SURGERY

For regions that are hard to access with regular lips, notably the posterior mandible or curved areas.

**MODEL:** SG19  |  **POWER LEVEL:** 140%  |  **MODEL:** SG30  |  **POWER LEVEL:** 140%  |  **MODEL:** SG58  |  **POWER LEVEL:** 140%

**FOR SCAFFOLDED SURFACES**

For cutting curved surfaces, narrow cutting to reduce bone trauma, suitable for osteotomes.

**FOR REMOVING TISSUE ON THE POSTERIOR MANDIBLE OR MANDIBULAR BISPLANE SURFACE.**

**ORDER CODE:** Z305139  |  **ORDER CODE:** Z305137  |  **ORDER CODE:** Z305141

* **14% cutting - straight from lip and narrow teeth, 2.5 mm thick**
* **14% cutting - straight from lip and narrow teeth, 2.5 mm thick**
* **14% cutting - straight from lip and narrow teeth, 2.5 mm thick**

**TIP MEASUREMENT:**

- SG19: 3 mm from lip end
- SG30: 2.5 mm from lip end
- SG58: 3 mm from lip end

**The direction of the lips can be defined by the flange anterior view.**

**DIAGRAM:**

* Diagram of bone surgery SG20, SG21.
SCRAPE

For flattening the alveolar crest or harvesting bone fragments.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ORDER CODE</th>
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<tbody>
<tr>
<td>SG3</td>
<td>Z305104</td>
</tr>
<tr>
<td>SG4</td>
<td>Z305105</td>
</tr>
<tr>
<td>SG5</td>
<td>Z305106</td>
</tr>
</tbody>
</table>

- T/C coating - Triangular edge scalpel tip - Single edged scraper
- T/C coating - Triangular edge scalpel tip - Double edged scraper
- T/C coating - Rounded edge scalpel tip - Single edged scraper

For removal of diseased granulation tissues from extraction sites.

<table>
<thead>
<tr>
<th>MODEL</th>
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</thead>
<tbody>
<tr>
<td>SG3</td>
<td>Z305104</td>
</tr>
<tr>
<td>SG4</td>
<td>Z305105</td>
</tr>
<tr>
<td>SG5</td>
<td>Z305106</td>
</tr>
</tbody>
</table>

- T/C coating - Triangular edge scalpel tip - Single edged scraper
- T/C coating - Triangular edge scalpel tip - Double edged scraper
- T/C coating - Rounded edge scalpel tip - Single edged scraper
Ruptures the peri-odontal ligament to streamline suhure removal. Also effective in extracting ankylosed teeth.

MODEL | SG17 | SG18R | SG18L
--- | --- | --- | ---
POWER LEVEL | 40% | 40% | 40%

**SG17**
- Thin coating: 1.27 mm thick

**SG18R**
- Thin coating: Right angled tip: 1.27 mm thick

**SG18L**
- Thin coating: Left angled tip: 1.27 mm thick

**DIRECTIONS**
- Extraction: SG17, SG18R, SG18L

*The direction of the tip angle is marked by the tip on the handle.*
 SOCKET LIFT

(crestal approach)
SOCKET LIFT (CRESTAL APPROACH) Socket lift procedures.

The socket lift tip enhances the safety of procedures, being less invasive and enabling sinus lifts with short chair times. Osteotomy with ultrasonic vibration reduces the risk of damage to the Schneiderian membrane. Eliminating hammering taps through the osteome technique reduces patient discomfort and potential dizziness.

A starting point is added to trigger bone formation.

Bone formation to prepare implant site.

Implant site expansion and formation.

Maxillary sinus perforation and bone formation on alveolar ridge.

Reliably elevate the maxillary sinus membrane with internal irrigation.

Forms implant preparation site once maxillary sinus membrane is elevated.
IMPLANT PREPARATION

For preparation of implant sites, adding starting points, and other steps.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SG15A</th>
<th>POWER LEVEL</th>
<th>96%</th>
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</thead>
<tbody>
<tr>
<td>ORDER CODE</td>
<td>Z005124</td>
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<tr>
<td>Specifications:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Diamond coating: Tip oval diameter: 0.7 mm</td>
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<td></td>
<td></td>
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<tr>
<td>- Machining: 5 mm and 15 mm from tip end</td>
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</table>

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SG15B</th>
<th>POWER LEVEL</th>
<th>96%</th>
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</thead>
<tbody>
<tr>
<td>ORDER CODE</td>
<td>Z005125</td>
<td></td>
<td></td>
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<tr>
<td>Specifications:</td>
<td></td>
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<tr>
<td>- Diamond coating: Tip oval diameter: 1.4 mm</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>- Machining: 5 mm and 15 mm from tip end</td>
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</table>

For preparation of implant sites, flattening bone surfaces, and other steps.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SG15C</th>
<th>POWER LEVEL</th>
<th>96%</th>
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<tbody>
<tr>
<td>ORDER CODE</td>
<td>Z005126</td>
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<td></td>
</tr>
<tr>
<td>Specifications:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Diamond coating: Tip oval diameter: 0.4 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Machining: 10 mm and 15 mm from tip end</td>
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</table>

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SG15D</th>
<th>POWER LEVEL</th>
<th>96%</th>
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<tbody>
<tr>
<td>ORDER CODE</td>
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<tr>
<td>Specifications:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>- Diamond coating: Tip oval diameter: 1.4 mm</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>- Machining: 5 mm, 10 mm and 15 mm from tip end</td>
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</table>

IMPLANT PREPARATION

For expanding and forming implant preparation site when approaching from the alveolar crest.

**SG16A**
- Diamond coating
- Diameter: 1mm
- Markings every 3mm and 3mm from tip end

**SG16B**
- Diamond coating
- Diameter: 1.5mm
- Markings every 5mm and 5mm from tip end

**SCL2D**
- Diamond coating

**SCL4D**
- Diamond coating

Formation of implant preparation site SCL2D, SCL4D
For procedures such as osteotomy alveolar sinus approaching from the alveolar crest and initial preparation site adjustments.

**Socket Lift (crest approach)**

**Model:** SCL1D  
**Power level:** 50%  
**Model:** SCL3D  
**Power level:** 50%  
**Model:** SCL5D  
**Power level:** 70%

**Order code:** Z305171  
**Order code:** Z305173  
**Order code:** Z305178

- Diamond scaling

**Model:** SCL1  
**Power level:** 50%  
**Model:** SCL3  
**Power level:** 50%  
**Model:** SCL5  
**Power level:** 70%

**Order code:** Z305170  
**Order code:** Z305172  
**Order code:** Z305174

- Diamond scaling

-Elevating the sinus membrane with internal irrigation approaching from alveolar crest.

**Model:** SCL1  
**Power level:** 50%  
**Model:** SCL3  
**Power level:** 50%  
**Model:** SCL5  
**Power level:** 70%

**Order code:** Z305170  
**Order code:** Z305172  
**Order code:** Z305174

- Diamond scaling

Before the mucosa membrane of maxillary sinus is elevated.
**SINUS LIFT**  For bone fenestration and bone formations.

**MODEL: SG6D**  
**Power Level: 65W**  
**O.R. Code: 2305107**
- Diamond coating

**MODEL: SG7D**  
**Power Level: 65W**  
**O.R. Code: 2305108**
- Diamond coating

- Virtualization of wisdom teeth and impacted teeth.
- The vestibular bone window and precise osteotomy.

**SINUS MEMBRANE DETACHMENT**

**MODEL: SG9**  
**Power Level: 65W**  
**O.R. Code: 2305110**
- Flat circular cone elevators - Angled at 90°

**MODEL: SG10**  
**Power Level: 65W**  
**O.R. Code: 2305111**
- Flat circular cone elevators - Angled at 135°

**MODEL: SG11**  
**Power Level: 65W**  
**O.R. Code: 2305112**
- Cone compressor

- Sinus membrane detachment
- Sinus membrane elevation

*Note: Images of surgical tools and procedures for bone fenestration and membrane detachment.*
SCALING: Removal of supra gingival tartar, tartar narrow interdental space, marginal gingival calculus.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>G1-S</th>
<th>POWER (W): 150</th>
<th>TIP: 14%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORDER CODE</td>
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<table>
<thead>
<tr>
<th>MODEL</th>
<th>P20-S</th>
<th>POWER (W): 200</th>
<th>TIP: 14%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORDER CODE</td>
<td>Z305114</td>
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<table>
<thead>
<tr>
<th>MODEL</th>
<th>P25R-S</th>
<th>POWER (W): 250</th>
<th>TIP: 14%</th>
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</thead>
<tbody>
<tr>
<td>ORDER CODE</td>
<td>Z305115</td>
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<table>
<thead>
<tr>
<th>MODEL</th>
<th>P25L-S</th>
<th>POWER (W): 250</th>
<th>TIP: 14%</th>
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<tbody>
<tr>
<td>ORDER CODE</td>
<td>Z305116</td>
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Removal of gingival biotm, PERIO

<table>
<thead>
<tr>
<th>TIP TYPE</th>
<th>Left canula type</th>
</tr>
</thead>
</table>

*The selection of the tip type is determined by the tip shape and size.
PERIO-CONTROL For maintaining the upper structure of implant-supported dental prosthesis.

**V10-S**
For the maintenance of prosthesis and implants. Produced from special material to allow easy cleansing without causing damage to metals and implants.

**V-P10**

**V-P11R**
Double end tip. This tip is extra long to easily access difficult to reach areas and to avoid interference with neighboring teeth or contours.

**V-P11L**

**V-P12**
A longer version of the popular V-P11 tip.

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**ORDER CODE**
- Z305117
- Y800184
- Y1002169
- Y1002167

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*Indicate 5 tips replacement wrench. *Access Tip is not included.
The microscopic diamond coated tip allows effective removal of dentin at the apex.
TIP KIT
Advantages
- Super slim handpiece with LED
- Extensive tip range for a wide range of applications
- Link 2 system with SurgicPro/implant motor

COMPLETE SET
- MODEL: VarioSurg3 (308V)
- ORDER CODE: Y1231728
- Contains:
  - Console 100-V. 
  - LED Handpiece with LED. 
  - Foot Control
  - Standalone Cassette
  - Handpiece Stand
  - Spring kit (2 pieces) and other accessories
  - Two Plus 40-800, 100 Eth, 1320, 8710, 8311 and Torque

COMPLETE SET WITHOUT FOOT CONTROL
- MODEL: VarioSurg3 (308V) Non PT
- ORDER CODE: Y123248
- Contains:
  - Console 100-V. 
  - LED Handpiece with LED. 
  - Standalone Cassette
  - Handpiece Stand
  - Spring kit (2 pieces) and other accessories
  - Two Plus 40-800, 100 Eth, 1320, 8710, 8311 and Torque

Specifications:
- 100-V
- LED Handpiece
- Foot Control
- Standalone Cassette
- Handpiece Stand
- Spring kit (2 pieces) and other accessories
- Two Plus 40-800, 100 Eth, 1320, 8710, 8311 and Torque

NAKANISHI INC. www.nsk-nc.com
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Specifications are subject to change without notice.

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