



# Surgery

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Specifications are subject to change without notice.

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# Powerful precision At your fingertips

Intuitive, powerful, safe & reliable

It takes only an instant for users of the new NSK Surgic Pro to familiarize and become confident with the handling of the surgical micromotor system. NSK understands the surgeons' requirements in regards to ergonomic balance and precise performance suitable for a wide range of clinical applications.

NSK Surgic Pro is the 5th generation of NSK surgical micromotor systems. In the last 25 years NSK has continuously developed innovative high-tech micromotors to meet the evolving needs of various surgical applications.

Surgic Pro is designed for reliability and manufactured with highest durability standards in mind. Surgic Pro is a micromotor that combines high torque with excellent balance that surgeons can confidently rely on.





## Precision control for Today's specialist procedures

The NSK Surgic Pro is a compact, stylish and light-weight system. The system performs at a wide range of speed settings ( $200 \text{ min}^{-1}$  -  $40,000 \text{ min}^{-1}$ ) and allows for various surgical applications with maximum safety in mind.

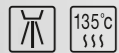
The backlit LCD screen is simple to operate and allows immediate recognition of all operating parameters.

The console and foot control have been designed for ergonomic ease of use during complex procedures.

# Surgic Pro Micromotor **Non-Optic**

Shorter and Lighter – Evolutionary surgical micromotor

- Powerful torque
- Wide speed range (200 to 40,000 min<sup>-1</sup>)
- High torque accuracy
- Excellent durability
- Autoclavable, thermo-disinfectable and maintenance free brushless design



This new surgical micromotor is 16.2mm shorter and weighs 42g less compared to the conventional surgical micromotor.



**Non-Optic** MODEL: **SG70M** ORDER CODE: **E1025002**

- Solid titanium body
- with 3.5 m cord

# Surgic Pro

## The right choice for all professionals

NSK Surgic Pro is the perfect combination of balance and drilling performance at various speeds in a compact and stylish design.



NSK has designed a slim high performance irrigation pump. The pump is easily accessible and extremely user friendly.

### Large Illuminated LCD

The backlight LCD screen is simple to operate and allows immediate recognition of all operating parameters.

### Surgic Pro Series memory function

8 different user settings (incl. rpm, torque, irrigation flow, rotation direction) can be pre-programmed.

# Surgic Pro Complete Set **Non-Optic**



## Surgic Pro Complete Set

MODEL: **Surgic Pro NON-OPT 3.5m (230V)** ORDER CODE: **Y1002731**

### Contents

- Control Unit
- SG70M Non-Optic Micromotor (3.5 m)
- FC-78 Foot Control (3.5 m)
- Irrigation tube (5 pcs.) and other accessories

### Specifications

<b>Control Unit with AHC</b> <ul style="list-style-type: none"> <li>• Power Supply : AC230V 50/60 Hz</li> <li>• Max. Pump Output : 75mL/min</li> <li>• Programs : 8 Programs / Implant Systems</li> <li>• Dimensions : W265 x D220 x H100 (mm)</li> </ul>	<b>Micromotor</b> <ul style="list-style-type: none"> <li>• Torque : 5-80 Ncm</li> <li>• Motor Speed : 200-40,000 min<sup>-1</sup></li> </ul>	<b>Foot Control</b> <ul style="list-style-type: none"> <li>• Foot Control Functions : Program Button, Speed Control Pedal, Coolant Solution Flow Volume Button, Forward / Reverse Button</li> </ul>
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## Foot Control

### Stay in control

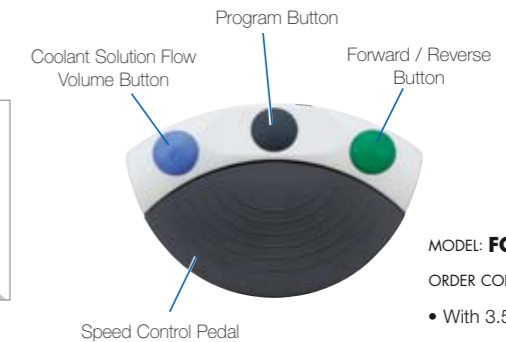
The Foot Control is user-friendly and allows operation of all functions within the preset parameters without interacting with the control panel to avoid accidental activation of the micromotor outside the preset limits.

### Handle Set (Optional)

Handle Set can be easily attached to Foot control (FC-78).

MODEL: **Handle Set**

ORDER CODE: **Z1027001**



MODEL: **FC-78 (3.5m)**

ORDER CODE: **Z1102002**

- With 3.5m cord

## Sterilization Cassette (Optional)

The NSK Surgic Sterilization Cassette can accommodate the micromotor with cable, straight and angled handpieces ready for sterilization.



MODEL: **SG-CASE** ORDER CODE: **Z313101**

- Dimensions : W281 x D171.5 x H47 (mm)

## Carrying Case (Optional)

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



MODEL: **Carrying Case (Surgic Pro)** ORDER CODE: **Y1001952**

- Dimensions : W469 x D344 x H180 (mm)

# Straight Handpieces



**Non-Optic** MODEL: **X-SG65** ORDER CODE: **H1038**  
**1:1 Direct Drive** • Titanium Body with Scratch Resistant DURACOAT  
 • Clean Head System • For HP burs (ø2.35)  
 • External cooling • Max Speed : 40,000 min<sup>-1</sup>



MODEL: **SGS-ES** ORDER CODE: **H264**  
**1:1 Direct Drive** • For surgical burs (ø2.35)  
 • Twist chuck • Max. Speed : 40,000 min<sup>-1</sup>



MODEL: **SGS-E2S** ORDER CODE: **H266**  
**1:2 Increasing** • For surgical burs (ø2.35)  
 • Twist chuck • Max. Speed : 80,000 min<sup>-1</sup>



MODEL: **SGS-EM** ORDER CODE: **H264002**  
**1:1 Direct Drive** • For surgical burs (95 mm)  
 • Twist chuck • Max. Speed : 40,000 min<sup>-1</sup>



MODEL: **SGS-EL** ORDER CODE: **H264003**  
**1:1 Direct Drive** • For surgical burs (125 mm)  
 • Twist chuck • Max. Speed : 40,000 min<sup>-1</sup>



Washable in the thermosymbol



Autoclavable up to 135°C

## 20° Angle Handpieces



MODEL: **SGA-ES** ORDER CODE: **H263**  
**1:1 Direct Drive** • For surgical burs (ø2.35)  
 • Twist chuck • Max. Speed : 40,000 min<sup>-1</sup>



MODEL: **SGA-E2S** ORDER CODE: **H265**  
**1: 2 Increasing** • For surgical burs (ø2.35)  
 • Twist chuck • Max. Speed : 80,000 min<sup>-1</sup>



MODEL: **SGA-EM** ORDER CODE: **H263002**  
**1:1 Direct Drive** • For surgical burs (95 mm)  
 • Twist chuck • Max. Speed : 40,000 min<sup>-1</sup>



MODEL: **SGA-EL** ORDER CODE: **H263003**  
**1:1 Direct Drive** • For surgical burs (125 mm)  
 • Twist chuck • Max. Speed : 40,000 min<sup>-1</sup>



MODEL: **SGA-E2L** ORDER CODE: **H265003**  
**1: 2 Increasing** • For surgical burs (125 mm)  
 • Twist chuck • Max. Speed : 80,000 min<sup>-1</sup>



Washable in the thermoisinfector



Autoclavable up to 135°C



# Micro Saw Handpieces

## 1.8mm Reciprocating



MODEL: **SGR2-E** ORDER CODE: **SH162**

**3:1 Reduction** • With External Spray Nozzle  
• Max : 12,600 strokes/min

## 17° Oscillating



MODEL: **SGO2-E** ORDER CODE: **SH164**

**3:1 Reduction** • With External Spray Nozzle  
• Max : 12,800 strokes/min

## 3° Sagittal



MODEL: **SGT2-E** ORDER CODE: **SH163**

**3:1 Reduction** • With External Spray Nozzle  
• Max : 12,600 strokes/min

\*Do not exceed the Maximum Strokes Allowance.  
\*Blades are sold separately.

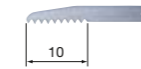


Washable in the thermoisinfector



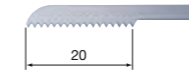
Autoclavable up to 135°C

### SGR2-E Blades for Reciprocating



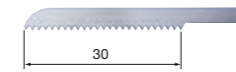
MODEL: **SGR-1** ORDER CODE: **Y900072**

• Blade thickness 0.35 mm • Pack of 10 blades



MODEL: **SGR-2** ORDER CODE: **Y900073**

• Blade thickness 0.35 mm • Pack of 10 blades



MODEL: **SGR-3** ORDER CODE: **Y900074**

• Blade thickness 0.35 mm • Pack of 10 blades

### SGO2-E Blades for Oscillating



MODEL: **SGO-1** ORDER CODE: **H174034**

• Blade thickness 0.3 mm • Single blade



MODEL: **SGO-2** ORDER CODE: **H174044**

• Blade thickness 0.3 mm • Single blade



MODEL: **SGO-3** ORDER CODE: **H174031**

• Blade thickness 0.3 mm • Single blade



MODEL: **SGO-4** ORDER CODE: **H174041**

• Blade thickness 0.3 mm • Single blade



MODEL: **SGO-5** ORDER CODE: **H174032**

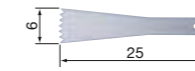
• Blade thickness 0.35 mm • Single blade



MODEL: **SGO-6** ORDER CODE: **H174042**

• Blade thickness 0.35 mm • Single blade

### SGT2-E Blades for Sagittal



MODEL: **SGT-1** ORDER CODE: **Y900075**

• Blade thickness 0.35 mm • Pack of 10 blades











MODEL: **SGT-2** ORDER CODE: **Y900076**


• Blade thickness 0.35 mm • Pack of 10 blades

# Spare Parts

## Surgic Pro

	MODEL	ORDER CODE		MODEL	ORDER CODE
	Tube Holder	E295105		Handle Set	Z1027001
	Handpiece Stand	Z1029201		Protection Plug	10001595
	Irrigation Tube (Pack of 5)	Y900209		Tube Holder (Pack of 7)	Y900083
	Coolant Solution Hanger Post	U370152		SG-CASE Sterilization Cassette	Z313101

## X-SG65

	MODEL	ORDER CODE
	Cleaning Wire	20000512

## Micro Surgery Handpieces

	MODEL	ORDER CODE		MODEL	ORDER CODE
	Spray Nozzle For SGS-EM, SGA-EM	H263023		Spray Nozzle For SGS-ES, SGS-E2S, SGA-ES, SGA-E2S	H263018
	Spray Nozzle For SGS-EL, SGA-EL, SGA-E2L	H263024			

## Micro Saw Handpieces

	MODEL	ORDER CODE		MODEL	ORDER CODE
	Spray Nozzle For SGR, SGT, SGO	SH162035		Spanner 8x5	K040751

 Washable in the thermodisinfectant  Autoclavable up to 135°C