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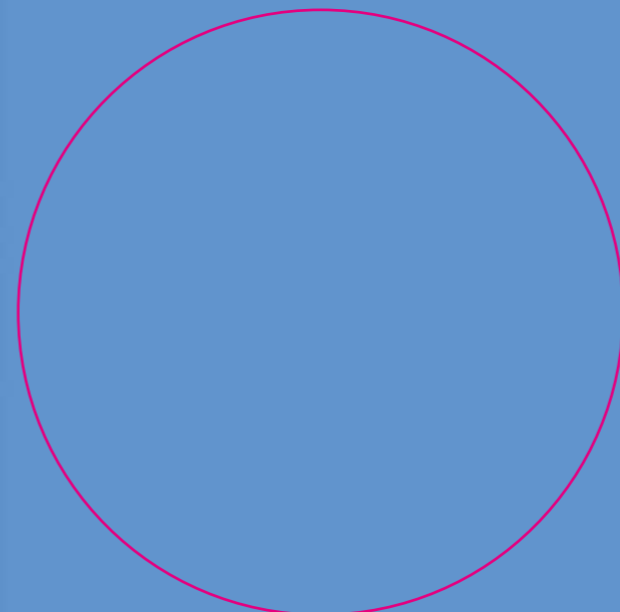
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Specifications are subject to change without notice.

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# NSK



# Surgic XT Plus

# Surgic XT Plus

HIGH PERFORMANCE BRUSHLESS SURGICAL  
MICROMOTOR SYSTEM WITH  
ACCURATE TORQUE CONTROL



# Surgic XT Plus



## Advantages

- Wide speed range of 200-40,000 min<sup>-1</sup>
- Powerful torque: 5-50 Ncm
- High power 210W
- Lightweight compact body reduces hand fatigue and improves balance
- Low noise, low vibration with minimal heat generation
- Excellent durability
- High torque accuracy

## Implant Micromotor (Optic/Non-Optic)

Ti-Max X-SG20L



Optic MODEL: **SGL50M** ORDER CODE: **E295**

S-Max SG20



Non-Optic MODEL: **SG50MS** ORDER CODE: **E290**

135°C  
Autoclavable  
up to 135°C



# Control Unit with Advanced Handpiece Calibration (AHC)

## Intelligent and Intuitive



### AHC — High Torque Accuracy

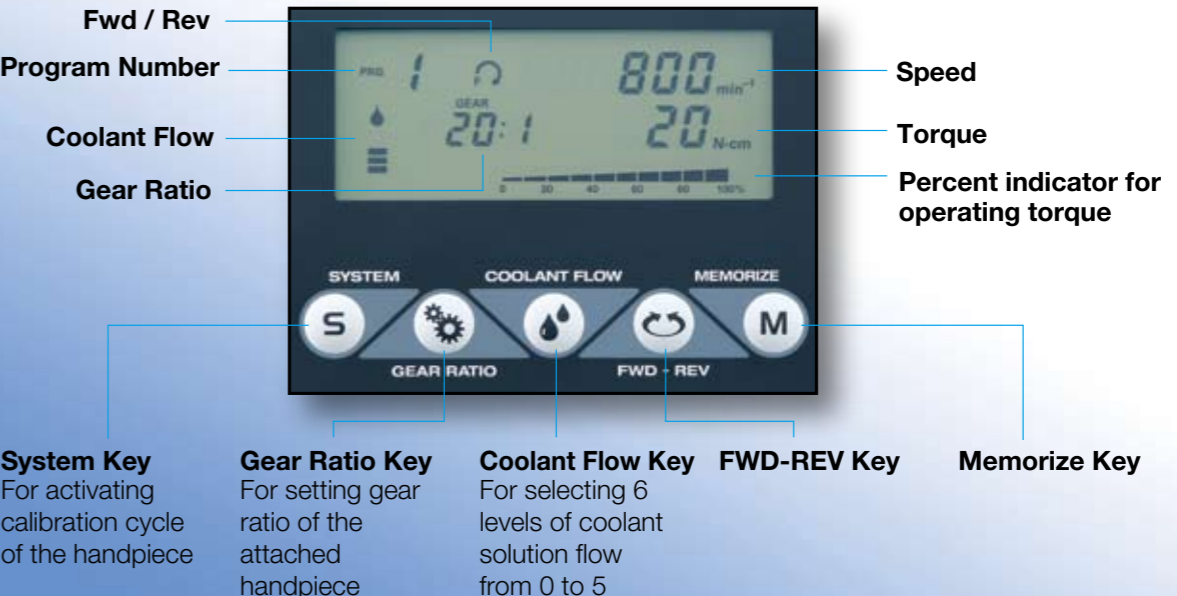
NSK Surgic XT Plus automatically calibrates the micromotor and the handpiece to the rotational resistance of each individual handpiece prior to operation. Surgic XT Plus offers speed and high torque accuracy for maximum safety during operation.



### Simple, intuitive operation control panel

**Large LCD:** All parameters are displayed clearly on the large and clear LCD. The large LCD makes it easier for clinicians to see and check the displayed data. The display shows all settings and status at the same time. The display panel is designed to prevent reflections to ensure clear visibility at all times.

**Operation keys:** Each control key is designed to be easily recognized.



### 8 programs can be set individually

NSK Surgic XT Plus allows for 8 complete programs to be programmed. In each program you can independently set speed, torque, coolant flow, gear ratio and rotation direction.

# Surgic XT Plus Optic Complete Set



## Contents


- Control Unit with Advanced Handpiece Calibration (AHC)
- Optic Micromotor with 2 m Cord
- FC-51 Foot Control (IPX8 certified)
- Ti-Max X-SG20L Optic Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories


MODEL: **Surgic XT Plus OPT (120V)** ORDER CODE: **Y1001203**

MODEL: **Surgic XT Plus OPT (230V)** ORDER CODE: **Y1001204**

## Specifications

<b>Control Unit with AHC</b>	
• Max. Output / Max. Torque	210 W / 50 Ncm
• Power Supply	AC120V or 230V 50/60 Hz
• Max. Pump Output	75ml/min
• Programs	8 Programs
• Dimensions	W268 x D230 x H103 (mm)
<b>Micromotor</b>	
• Motor Speed	200~40,000 min <sup>-1</sup>
• Light Power	25,000 LUX
<b>Foot Control</b>	
• Foot Control Functions	Speed Control, Coolant Control, Forward / Reverse, Program Control
• Speed Control	Variable
• Applied Standard	IPX8

 Surgic XT Plus is designed not to become the ignition source in air and flammable anesthetic gas. (Micromotor and Foot Control)

 Type BF applied part (Control Unit, Handpiece, Micromotor and Foot Control)

# Surgic XT Plus Non-Optic Complete Set



## Contents


- Control Unit with Advanced Handpiece Calibration (AHC)
- Non-Optic Micromotor with 2 m Cord
- FC-51 Foot Control (IPX8 certified)
- S-Max SG20 Handpiece (20:1 Reduction)
- Irrigation tube (5 pcs.) and other accessories


MODEL: **Surgic XT Plus NON-OPT (120V)** ORDER CODE: **Y1001206**

MODEL: **Surgic XT Plus NON-OPT (230V)** ORDER CODE: **Y1001207**

## Specifications

<b>Control Unit with AHC</b>	
• Max. Output / Max. Torque	210 W / 50 Ncm
• Power Supply	AC120V or 230V 50/60 Hz
• Max. Pump Output	75ml/min
• Programs	8 Programs
• Dimensions	W268 x D230 x H103 (mm)
<b>Micromotor</b>	
• Motor Speed	200~40,000 min <sup>-1</sup>
<b>Foot Control</b>	
• Foot Control Functions	Speed Control, Coolant Control, Forward / Reverse, Program Control
• Speed Control	Variable
• Applied Standard	IPX8

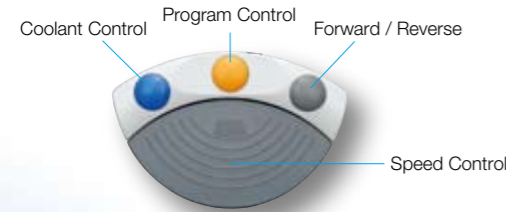
 Surgic XT Plus is designed not to become the ignition source in air and flammable anesthetic gas. (Micromotor and Foot Control)

 Type BF applied part (Control Unit, Handpiece, Micromotor and Foot Control)



# Accessories

## Foot Control



MODEL: **FC-51** ORDER CODE: **Z272**

### Hands-free device for controls and programs

The foot control is user friendly and enables perfect control without distraction while performing delicate surgical procedures. It has been designed to prevent accidental activation of the micromotor system and is certificated according to IPX8.

## Handle Set

(Optional)



MODEL: **Handle Set** ORDER CODE: **Z1027**

### Handle Set

Handle set can be easily attached to Foot Control (FC-51).

## Sterilization Casette

(Optional)



MODEL: **SG-CASE** ORDER CODE: **20001348**

### Sterilization Casette

The NSK Surgic sterilization cassette can accommodate the micromotor with cable, straight and contra-angles handpieces ready for sterilization.

## Transport Case

(Optional)



MODEL: **Transport Case** ORDER CODE: **30000119**

### Transport Case

The NSK transport case can accommodate all Surgic XT Plus components as well as the optional sterilization cassette.

# Implant Handpieces

## Ti-Max X X-SG20L



**Optic** MODEL: **X-SG20L** ORDER CODE: **C1003**

### 20:1 Reduction

- Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck • Sealed Head Design
- External and internal cooling (Kirschner and Meyer)
- Cellular Glass Optics • Max Speed: 2,000 min<sup>-1</sup>

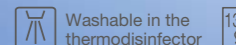
## S-Max SG20



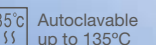
**Non-Optic** MODEL: **SG20** ORDER CODE: **C1010**

### 20:1 Reduction

- Stainless Steel Body • Push Button Chuck
- Sealed Head Design
- External and internal cooling (Kirschner and Meyer)
- Max Speed: 2,000 min<sup>-1</sup>



Washable in the thermodisinfectant



Autoclavable up to 135°C