

# Surgic XT Plus

**Optic**  
WITH ADVANCED TORQUE CALIBRATION



Surgic XT Plus Complete Pack  
With Ti-SG20L Optic Handpiece

MODEL	ORDER CODE
Surgic XT Plus (120V)	Y141-246
Surgic XT Plus (230V)	Y141-247

- Contents
- Control unit with Advanced Torque Calibration (ATC)
  - Optic micromotor with 2m Cord
  - FC-51 Foot control (IPX8 certified)
  - Ti-SG20L optic handpiece (20:1 Reduction)
  - Irrigation tube (5 pcs.) and other accessories

Surgic XT Plus Complete Pack  
Without Handpiece

Surgic XT Plus W/O (120V)	Y141-248
Surgic XT Plus W/O (230V)	Y141-249

- Contents
- Control unit with Advanced Torque Calibration (ATC)
  - Optic micromotor with 2m Cord
  - FC-51 Foot control (IPX8 certified)
  - Irrigation tube (5 pcs.) and other accessories

## Specifications

### Control Unit with ATC

- Max. Output / Max. Torque : 210 W / 50 Ncm
- Power Supply : AC120V or 230V 50/60 Hz
- Max. Pump Output : 75mL / min
- Programs : 10 Programs
- Dimensions : W268 x D230 x H103 (mm)

### Foot Control

- Speed Control : Variable
- Foot Control Functions : Speed control, Coolant control, Forward / Reverse, Program control
- Applied Standard : IPX8

### Micromotor

- Motor Speed : 200~40,000 min<sup>-1</sup>
- Light Power : 25,000 LUX

## Ti-Max Ti-SG20L & Ti-SG65L

TITANIUM Optic Implant Handpieces

**Optic**

135°C  
SSS



Washable in the thermoisinfectior.



Ti-SG20L C495

- Cellular glass optics • 20:1 Reduction
- Solid titanium body\* • Ultra push chuck
- External cooling • Dust-proof sealing



Ti-SG65L H252

- Cellular glass optics • 1:1 Direct Drive
- Solid titanium body\* • Clean Head System



**Botica**  
MATERIAL SANITARIO

\* Only external body component is titanium.

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Specifications are subject to change without notice.

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SURGIC XT PLUS FROM NSK  
**OPTIC BRUSHLESS MICROMOTOR  
WITH ADVANCED TORQUE CALIBRATION**

**NSK**  
*Surgic XT Plus*

powerful, smart & bright



**Botica**  
MATERIAL SANITARIO



Powerful Partners®



# Surgic XT Plus

## THE INTELLIGENT SURGICAL MICROMOTOR WITH ILLUMINATION AND ADVANCED TORQUE CALIBRATION



Surgic XT Plus has been further advanced with a powerful optic micromotor and a new innovative, absolutely accurate, automatic Advanced Torque Calibration (ATC). The Surgic XT Plus optic micromotor provides optimum vision for oral surgery procedures. A special calibration tool directly links the attached handpiece to the control system memory to register the individual handpiece characteristics. Perfect control of speed and torque is guaranteed. The intelligent programmable electronic system responds instantly to operator commands. The Surgic XT Plus micromotor effortlessly endures prolonged surgical procedures, without significant heat generation, and is ergonomically designed to adapt comfortably to the human hand form.

### High Power 210 W Powerful Torque 50 Ncm

The ratio of high power (210 W), high torque (50 Ncm) and the wide speed range (200-40,000 min<sup>-1</sup>) offers the flexibility required to meet exacting demands for all oral surgery procedures.

### Compact, Short and Lightweight Optic Micromotor

This lightweight micromotor, combined with exceptional balance, noticeably reduces hand and wrist fatigue caused by prolonged and complex procedures. Perfect for all hand sizes.

### Excellent Durability

The solid titanium body\* is very lightweight and maximises micromotor durability. The brushless micromotor eliminates the need for carbon brush replacement.



### Autoclavable Titanium Brushless Micromotor

The Surgic XT Plus micromotor has a solid titanium body which, in combination with the brushless system, is very durable against repeated autoclaving.

### Optic Illumination

The cellular optic light emission (25,000 LUX) from the Surgic XT Plus handpiece clearly illuminates the treatment site facilitating faster, more precise treatment.



\*Only external body component is titanium.

### 10 Individual Program Options

NSK Surgic XT Plus memorises 10 complete program options. Each program includes speed, torque, coolant flow, and rotation direction. Program settings continue to be stored even when supply power is turned off. Each program setting can be altered, even when the unit is in use. New programs are memorised simply by pressing the memory key.

### Advanced Torque Calibration (ATC) - High Torque Accuracy



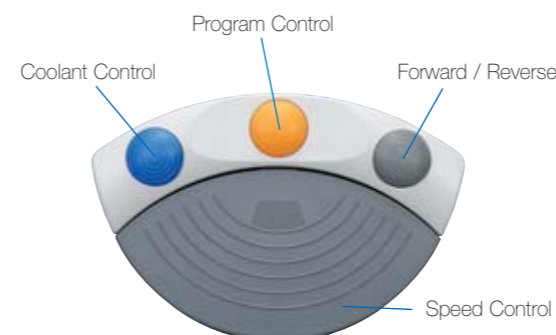
Every handpiece attachment has individual rotational resistance characteristics. To confirm the absolute precise speed and torque demanded for delicate oral surgical procedures, NSK Surgic XT Plus automatically calibrates the micromotor to

the rotational resistance of each individual handpiece prior to operation. Surgic XT Plus offers speed and high torque accuracy, plus safety during operation.



### FC-51 Foot Control New User Friendly Foot Control for Surgic XT Plus

The new Surgic XT Plus foot control is user friendly and allows perfect control without distraction while performing delicate surgical procedures. It conforms to IPX8 – the highest standard for medical foot control devices and certification for operating theatre use.



### All Program Adjustments Can Be Made Hands Off - Via The Foot Control

All operating program and control modes may be set or adjusted, hands-off, during surgery via the foot control. This includes speed control, coolant flow, and direction of rotation. The foot control has been designed to prevent accidental activation of the micromotor system. The Surgic XT Plus foot control meets IPX8 standards - standard for medical foot control systems.