

# Surgic XT

Complete Packs **Non-Optic**



Surgic XT Complete Pack with SGM-E20RI Handpiece

MODEL	ORDER CODE
Surgic XT (120V)	Y141-273
Surgic XT (230V)	Y141-275

- Contents
- Control Unit
  - Non-Optic Micromotor with 2 m Cord
  - FC51 Foot Control (IPX8 certified)
  - SGM-E20RI Handpiece (20:1 Reduction)
  - Irrigation tube (5 pcs.) and other accessories

Surgic XT Complete Pack without Handpiece

MODEL	ORDER CODE
Surgic XT W/O (120V)	Y141-274
Surgic XT W/O (230V)	Y141-277

- Contents
- Control Unit
  - Non-Optic Micromotor with 2 m Cord
  - FC51 Foot Control (IPX8 certified)
  - Irrigation tube (5 pcs.) and other accessories

Specifications

- |  |   |
|--|---|
| <p><b>Control Unit</b></p> <ul style="list-style-type: none"> <li>Max. Output / Max. Torque : 210 W / 50 N·cm</li> <li>Power Supply : AC120V or 230V 50/60 Hz</li> <li>Max. Pump Output : 75mL / min</li> <li>Programs : 10 Programs</li> <li>Dimensions : W268 x D230 x H103 (mm)</li> </ul> <p><b>Micromotor</b></p> <ul style="list-style-type: none"> <li>Motor Speed : 200-40,000 min<sup>-1</sup></li> </ul> | <p><b>Foot Control</b></p> <ul style="list-style-type: none"> <li>Speed Control : Variable</li> <li>Foot Control Functions : Speed Control, Coolant Control, Forward / Reverse, Program control</li> <li>Applied Standard : IPX8</li> </ul> |
|--|---|



### Microsurgery Handpieces

MODEL	ORDER CODE	Description
SGS-E	H084	Straight Handpiece, 1:1 Direct Drive
SGS-E2G	H185	Straight Handpiece, 1:2 Speed Increasing
SGA-E	H083	20° Angle Handpiece, 1:1 Direct Drive
SGA-E2G	H184	20° Angle Handpiece, 1:2 Speed Increasing



### Reduction Contra Angle Handpieces

MODEL	ORDER CODE	Description
SGM-E10RI	Y200-870	10:1 Speed Reduction
SGM-E16RI	Y200-830	16:1 Speed Reduction
SGM-E20RI	Y200-890	20:1 Speed Reduction
SGM-E32RI	Y200-880	32:1 Speed Reduction
SGM-E64RI	Y200-840	64:1 Speed Reduction
SGM-E256RI	Y200-850	256:1 Speed Reduction
SGM-E1024RI	Y200-860	1024:1 Speed Reduction



### Micro Saw Handpieces

MODEL	ORDER CODE	Description
SGR-E	H173	Reciprocating saw Stroke Width : 1.8mm
SGO-E	H174	Oscillating saw Stroke Angle : 17°
SGT-E	H175	Sagittal saw Stroke Angle : 3°

Specifications are subject to change without notice.



All NSK handpieces are autoclavable up to 135°C.

**NSK** www.nsk-inc.com

**NAKANISHI INC.**  
700 Shimohinata  
Kanuma, Tochigi  
322-8666, Japan  
TEL:+81 (0)289-64-3380  
FAX:+81 (0)289-62-5636

**NSK TOKYO Office**  
6F MY Building  
Ueno 1-13-3, Taito-ku  
Tokyo 110-0005, Japan  
TEL:+81 (0)3-3335-2892  
FAX:+81 (0)3-3335-2856

**NSK EUROPE GmbH**  
Westerbachstraße 58  
D-60489, Frankfurt  
Germany  
TEL:+49 (0)69 74 22 99 0  
FAX:+49 (0)69 74 22 99 29

**NSK FRANCE SAS**  
71 rue de Suresnes,  
92380 Garches  
France  
TEL:+33 (0)1-4795-4517  
FAX:+33 (0)1-4741-3516

**NSK MIDDLE EAST**  
Dubai Airport Free Zone,  
Room 2W-310,  
3F West Wing, Dubai, UAE  
TEL:+971-4-298-6644  
FAX:+971-4-299-6664



Expect Perfection®

PR-D160E Ver.5 05.09.05.Y

SURGIC XT FROM NSK

**HIGH PERFORMANCE BRUSHLESS MICROMOTOR WITH PRECISE TORQUE CONTROL**

**NSK**  
**Surgic XT**

powerful, smart & reliable



Powerful Partners®

# Reliable, high performance, ergonomic - NSK Surgic XT meets every requirement for oral surgery and implantology procedures

At first sight the NSK Surgic XT is impressive. The compact minimal style console, and robust foot control module, have been designed especially for the aseptic theatre environment.

The smart programmable electronic system responds instantly to human commands, allowing uninterrupted focus on surgical procedures.

The Surgic XT micromotor effortlessly endures prolonged surgical procedures, without significant heat generation, and is ergonomically designed to adapt comfortably to the human hand form. NSK technology confirms Surgic XT as your most reliable partner in the precision surgical environment of modern oral surgery.

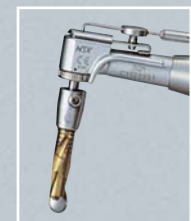
## NSK Surgic XT brushless micromotor -High power 210W - Powerful torque 50 N-cm - Lowest noise and vibration

The wide variable speed range of 200-40,000 min<sup>-1</sup> provides the flexibility for all surgical procedures. As an example, by using a 20:1 speed reduction handpiece attachment the speed range is adjusted to 10-2,000 min<sup>-1</sup> and torque is maximized to 50 N-cm. The NSK Surgic XT micromotor produces the lowest noise and vibration in this class.

## The world's smallest miniature head

NSK's super miniature head is the smallest in the world (height 10.7mm). It provides significantly more direct visibility in the mouth than any conventional head, and assists in the improvement of treatment efficiency.

## Highly effective variable flow, coolant function offers both through-the-bur irrigation and external irrigation.



NSK Surgic XT offers the option of both through-the-bur irrigation and external irrigation. The 5 step variable irrigation flow control allows precise control of the exact irrigation volume required. The disposable standard irrigation tubing and autoclavable nozzle are easily and quickly installed and removed in moments.

## Excellent Durability

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



Ergo Grip

## NSK superior technology results in a slim ergo form micromotor with remarkably high power output

Compact and virtually vibration free, the NSK Surgic XT is designed to fit comfortably to the human hand form for prolonged periods. The size and comfort of the brushless micromotor is without compromise to the torque and speed output. Durability is assured even with repeated autoclaving.

## 10 Individual Program Options

NSK Surgic XT 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.

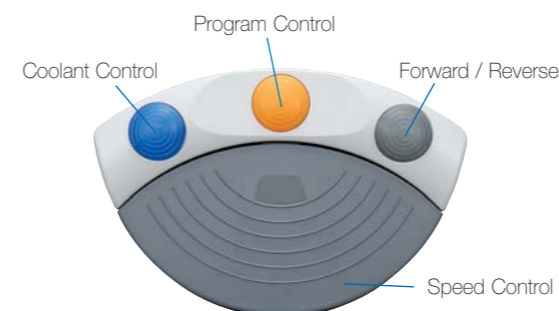
## Automatic calibration of every individual handpiece attachment

Every handpiece attachment has individual resistance characteristics against micromotor driven rotation. To achieve the absolutely precise rotatory cutting speed and torque demanded for oral surgical procedures, NSK Surgic XT automatically calibrates the micromotor to the resistance of each individual handpiece when attached to the micromotor.



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

The new Surgic XT foot control is user friendly and allows perfect control without distraction while performing delicate surgical procedures. It conforms to IPX8 – the 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 rotation direction. The foot control has been designed to prevent accidental activation of the micromotor system.