

ULTIMATE 450 SERIES FROM NSK
HIGH PERFORMANCE BRUSHLESS MICROMOTOR

perfect for in-surgery lab work

Ultimate 450 Systems



MODEL	ORDER CODE
UM450SGC 230	Y141-263

Contents
• Control unit • Micromotor Handpiece • Foot pedal • Handpiece Stand

Ultimate 450F Systems



MODEL	ORDER CODE
UM450FC 230	Y141-265

Contents
• Control unit • Micromotor Handpiece • Handpiece Stand

Ultimate 450K Systems



MODEL	ORDER CODE
UM450KC 230	Y141-264

Contents
• Control unit • Micromotor Handpiece • Handpiece Stand

Spare Parts

MODEL	PRODUCTS	ORDER CODE
UM450SG 230 Control unit Bench type / Translucent grey (Includes AC cord, handpiece stand and handpiece holder)		Y141-303
UM450K 230 Control unit Knee type / Light gray (Includes AC cord and handpiece stand)		Y141-304
UM450F 230 Control unit Floor type (Includes AC cord and handpiece stand)		Y141-305
UM 45C for UM450 Motor handpiece for UM450 series (Includes 2m cord and 2 different wrenches)		Y141-266
UM 45CM EU Motor for UM450 series (Includes 2m cord)		E187-005
UHR 45C EU Attachment for UM450		H203A-002
UM 45CM Motor Cord (2m)		E189-061
FC-40 Foot Control (For 450)		Z056

MODEL	PRODUCTS	ORDER CODE
Handpiece Stand Wrench is not included		Z095-201
Suspension Handpiece Cradle (For Ultimate 450)		Z083
Chuck - 2.35A Chuck		H203-180
Handpiece Holder		Y900-071
Wrench for locking rotation		H124-751
Wrench for adjusting chuck		K015-751
Bracket Set (For 450K)		U364-090



Powerful Partners®



ULTIMATE 450 Series BRUSHLESS

Perfect for In-Surgery Lab Work

Speed: 1,000~35,000 min⁻¹

Max. Torque: 4.5 N·cm

Ergonomically Designed

The grip is ergonomically designed. The lightweight and excellent balance characteristics dramatically reduce hand fatigue during extended applications.



Lowest Noise and Vibration

The hermetically enclosed brushless motor reduces the noise level by 20% compared to other conventional models. This results in a quieter and more comfortable work environment.



Precision Technology

NSK super precision technology ensures the bur concentricity of 0.02 mm or less.

Long Term Durability

The high power brushless motor does not require replacement of carbon brushes. NSK in-house load testing has proven the durability of continuous use for more than 5,000 hours.



Ultimate 450 Micromotor

Lightweight and Compact



Specifications

- Speed : 1,000~35,000 min⁻¹
- Max. Torque : 4.5 N·cm
- Dimensions : L148 x ø27 (mm)
- Weight : 185 g (Cord not included)
- Cord Length : 2 m

MODEL	ORDER CODE
UM45C	Y141-266

Features

- Optimal Control by Microprocessor
- Self-Diagnosis Function
- Smooth Operation
- Audible Check System
- Easy-to-operate Display Panel
- Maintenance Mode Setting (450/450K)
- Digital Speed Display (450/450K)
- Error Code Display Function (450/450K)

ULTIMATE 450

BENCH TOP SYSTEM

Specifications

- Power Supply : AC 230V 50/60 Hz
- Weight : 2.6 kg
- Dimensions : W172 x D230 x H94 (mm)



ULTIMATE 450K

KNEE CONTROL SYSTEM

Specifications

- Power Supply : AC 230V 50/60 Hz
- Weight : 3 kg
- Dimensions : W98 x D270 x H230 (mm)



ULTIMATE 450F

FLOOR TYPE FOOT CONTROL SYSTEM

Specifications

- Power Supply : AC 230V 50/60 Hz
- Weight : 3.5 kg
- Dimensions : W230 x D209 x H99 (mm)