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NSK

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COMPACT
SMART
LIGHT
FLEXIBLE
TORQUE 4.1Ncm

VOLVERE i7

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VOLVERE i7 STANDARD SETS

Standard Micromotor System

MODEL : VOLVERE i7 RM (230V) **ORDER CODE : Y1002890**

CONTENTS

● VOLVER i7 Control Unit ● Motor Handpiece ● Foot Control ● Handpiece Stand

E-Type Micromotor System

MODEL : VOLVERE i7 E (230V) **ORDER CODE : Y1002891**

CONTENTS

● VOLVER i7 Control Unit ● E-Type Micromotor ● Foot Control ● Handpiece Stand



SPECIFICATIONS

Control Unit
- Power Supply : AC230V 50/60 Hz
- Dimensions : W69 x D185 x H167 mm
- Weight : 900 g

Standard Type Motor Handpiece
- Speed : 1,000~35,000 min^{-1}
- Max. Torque : 4.1 Ncm
- Dimensions : L130 x ø24.5 mm
- Weight : 192 g (without cord)
- Cord Length : 1.2 m

E-Type Motor Handpiece
- Speed : 1,000~35,000 min^{-1}
- Max. Torque : 4.1 Ncm
- Dimensions : L150 x ø24.5 mm
- Weight : 118 g (without cord)
- Cord Length : 1.2 m

SPARE PARTS

MODEL	PRODUCT	ORDER CODE
VOLVERE i7 Control Unit		U1137
GX35RM-B & SCD Motor + cord		E1179
GX35EM-B & SCD E-type motor + cord		E1180
UHR45C Handpiece for GX35RM-B		H203002
VR-E E-Type Handpiece		H178

MODEL	PRODUCT	ORDER CODE
Carbon Brushes For GX35RM-B / GX35EM-B Pack of 2		E023011S
Chuck-2.35A		H203A180A
Handpiece Stand		Z095206
FC-76 Foot control		Z1082
Chuck Wrench		K015751

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Specifications are subject to change without notice.

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COMPACT & SMART

A User-Friendly Micromotor For Any Dental Laboratory

The VOLVERE i7 is another advance in NSK's quest to provide dental technicians access to its globally renowned dental laboratory engines. The stylish VOLVERE i7 delivers a compact, advanced design, all essential features and excellent value for money.

CONTROL UNIT FEATURES



Light and compact to fit into the smallest space

The unit is just 69 mm wide and weighs only 900 g. It can safely be placed on workbench shelves to save space on the worktop.

Microcomputer Control

Knowledge gained from many years of experience and NSK's cutting edge dental laboratory technologies are incorporated into a high performance microcomputer with its CPU. This microcomputer provides excellent control and constantly monitors the motion of the motor to provide smooth starting and stopping. If changing rotation direction while the motor is running, the microcomputer waits and checks that the motor has completely stopped before changing the rotation direction. The motor starts and stops without any jolts and runs extremely smoothly to maximize user comfort.

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Ecological Design

Power consumption of the electric circuit is minimized to save electricity. Power loss, a cause of heat in a unit, is very low and no fan is necessary in this unit which makes it extremely quiet as well as efficient.

Auto Cruise Function

VOLVERE i7 has an auto-cruise function that allows the operator to set a speed and take the foot of the foot control.
This function reduces foot fatigue when continuously working on the same material.

Overload alarm system

Overloading the motor triggers an alarm, with the power shutting off to prevent damage from overheating.

Foot Control (Variable)



The foot control allows the operator to seamlessly vary the motor speed depending on how far the pedal is being depressed. Using the foot control instead manual adjustments increases efficiency and work flow.

MICROMOTOR FEATURES

STANDARD MICROMOTOR



Speed :
1,000~35,000 min-1

E-TYPE



Speed :
1,000~35,000 min-1

Ergonomic handpiece



This handpiece incorporates the latest ergonomics, just like all NSK models. The grip is easy to hold and minimises fatigue, enhancing the precision of dental laboratory work.

Special Dust Proof Mechanism

The handpiece has a patented built-in dust-proof system to prevent the ingress of debris into the bearings.

High Precision

NSK high precision technology lowered the shaft deflection below 0.02 mm which makes the VOLVERE i7 the ideal tool for even the most demanding applications.

Light and Compact

The VOLVERE i7 handpiece is light and compact, and is designed to fit comfortably into the operator's hand. All this contributes to excellent operability.

Low Vibration & Low Noise

NSK high precision technology provides an optimal working environment with low vibration and quiet operation. Low vibration contributes to precision processing and quite operation creates a relaxed work environment.

High Torque, High Efficiency Coreless Motor



The micromotor in the VOLVERE i7 handpiece has no core and generates less rotary momentum. This contributes to the controllability of the rotation speed and reduces uneven rotation. In addition, this motor has higher power efficiency compared to a conventional motor and can maintain constant speed even at high speeds.

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