

Volvere Vmax Standard Pack



Standard Micromotor System

MODEL	ORDER CODE
Vmax35RV Pack (120V)	Y140-867
Vmax35RV Pack (230V)	Y140-868

Contents

- Volvere Vmax Control Unit
- Motor Handpiece (UHR35)
- Foot Control (FC-40)
- Handpiece Holder
- Handpiece Stand

E-Type Micromotor System

MODEL	ORDER CODE
Vmax35VR-E Pack (120V)	Y140-898
Vmax35VR-E Pack (230V)	Y140-899

Contents

- Volvere Vmax Control Unit
- Motor Handpiece (VR-E)
- Foot Control (FC-40)
- Handpiece Holder
- Handpiece Stand

Specifications

Control Unit	Standard Type Motor Handpiece	E-Type Motor Handpiece
<ul style="list-style-type: none"><li>• Power Supply : AC120V or 230V 50/60 Hz</li><li>• Dimensions : W95 x D190 x H180 mm</li><li>• Weight : 2.0 kg</li></ul>	<ul style="list-style-type: none"><li>• Speed : 1,000~35,000 min<sup>-1</sup></li><li>• Max. Power : 71W</li><li>• Max. Torque : 4.1Ncm</li><li>• Dimensions : L130 x ø24.5 mm</li><li>• Weight : 200 g (without cord)</li><li>• Cord Length : 1.2 m</li></ul>	<ul style="list-style-type: none"><li>• Speed : 1,000~35,000 min<sup>-1</sup></li><li>• Max. Power : 71W</li><li>• Max. Torque : 4.1Ncm</li><li>• Dimensions : L150 x ø24.5 mm</li><li>• Weight : 223 g (without cord)</li><li>• Cord Length : 1.2 m</li></ul>

Spare Parts

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
Vmax Unit with Power Cord, Handpiece Holder and Handpiece Stand		Y140-884(120V) Y140-885(230V)	Chuck-2.35A		H203-180
GX35RM & SCD Standard Micromotor with Cord for UHR35		E205	Handpiece Stand wrench is not included		Z095-201
GX35EM & SCD E-Type Micromotor with Cord for VR-E		E054	Handpiece Holder		Y900-140
GX35RM Standard Micromotor for UHR35		E205-015	FC-40 Foot Control		Z056
GX35EM E-Type Micromotor for VR-E		E054-015	Vmax Suspension Handpiece Cradle		Z246
UHR35 Handpiece		H214	Vmax35SCD Straight Cord		Z257-012
VR-E E-Type Handpiece		H178	Vmax35CCD Coiled Cord		Z257-013
Carbon Brush For GX35M / GX35EM Pack of 2		E023-011S	Wrench for Adjusting Chuck		K015-751

NSK

HIGH PERFORMANCE CORELESS MOTOR

Volvere Vmax

awesome power



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# Volvere *Vmax* = Higher Expectations

The Brand-new Volvere is an Improved Version of an Already Established High Performance Tool.

The well-known Volvere, which is regarded as the best dental laboratory motor system, is now released with higher functionality, controllability and durability. NSK's long years of experience and persistent improvements have created another excellent tool.

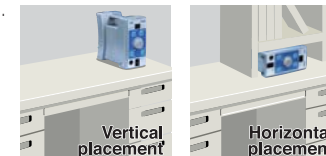
The new stylish control unit can be placed either vertically or horizontally or with an optional free-arm stand at a space-critical workplace.



## Control Unit

### Unique Design

Volvere Vmax will fit anywhere. Vertical placement allows you more working space. By placing it horizontally, it can also fit into small places, such as in a rack.



### Microcomputer Control

Knowledge obtained from many years of experience and NSK's cutting edge dental laboratory technologies are loaded into a high performance microcomputer and its CPU. This microcomputer provides excellent controllability. The microcomputer constantly monitors the motion of the motor and provides smooth starting and stopping. If you change rotation direction while the motor is operating, the microcomputer waits until it confirms the complete stop of the motor, and then, it changes the rotation direction. The motor starts and stops without any jolts, thus making it easy on both the operator's hand and the motor.

### Ecological Design

Power consumption of the electric circuit is minimized for environmental concerns. Power loss, a cause of heat in a unit, is very low and no fan is necessary in this unit. This provides quietness as well as efficiency.

### Auto Cruise Function

The tool has a constant speed function that allows a fixed revolving speed without using a foot control. This function reduces foot fatigue when continuously working on similar products.

### Error Code Display Function

An error code is displayed for easy troubleshooting when any failure, overload or disconnection has occurred.

### EMC Compliant

NSK cares about invisible matters. This tool is compliant with the most strict European EMC regulations. It doesn't emit electromagnetic waves or noise that could cause a failure or malfunction in other electronic equipment, and it is also designed to be safe from the effects of electromagnetic waves from outside the tool.

\* EMC (Electromagnetic Compatibility)

### Double-Digit Display

Double-digit display indicates accurate revolving speeds.



### Handpiece Cradle

Optional handpiece cradle enables you to work while suspending the handpiece in the air. More space on the desk allows you more flexibility. Arm length is adjustable.



Suspension Handpiece Cradle (Option)

## Vmax Unit

Power Supply : AC120V or 230V 50/60Hz  
Dimensions : W95 x D190 x H180 mm  
Weight : 2.0 kg

## Micromotor

### Easy-to-Hold, Less Tiring Grip

We tirelessly pursued an easy-to-hold ergonomically designed grip. Weight balance has been enhanced, thereby reducing hand fatigue for longer working hours.

### Special Dust Proof Mechanism

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

### High Precision

NSK high precision technology lowered the shaft deflection below 0.02 mm. This tool is perfect for very precise work.

### Light and Compact

Volvere Vmax Handpiece is light and compact, and is designed to fit 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 low noise. Low vibration also contributes to precision processing.

## Standard Micromotor

Rotation speed : 1,000~35,000 min<sup>-1</sup>

### High Torque, High Efficiency Coreless Motor

The coreless motor installed in Volvere Vmax has no core and has 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 keep constant speed even at high rotation speeds.

