### Volvere Vmax Standard Sets

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

**Standard Type Motor Handpiece**
- Speed: 1,000~35,000 min⁻¹
- Max. Power: 71W
- Max. Torque: 4.1 Nm
- Dimensions: L130 x ø24.5 mm
- Weight: 200 g (without cord)
- Cord Length: 1.2 m

**E-Type Motor Handpiece**
- Speed: 1,000~35,000 min⁻¹
- Max. Power: 71W
- Max. Torque: 4.1 Nm
- Dimensions: L150 x ø24.5 mm
- Weight: 223 g (without cord)
- Cord Length: 1.2 m

### Spare Parts

#### Vmax Unit with Power Cord, Handpiece Holder and Handpiece Stand
- **Y140884 (120V)**
- **Y140885 (230V)**

#### GX35RM & SCD
- Standard Micromotor with Cord for UHR35
- **E205**

#### GX35EM & SCD
- E-Type Micromotor with Cord for VR-E
- **E654**

#### GX35RM
- Standard Micromotor for UHR35
- **E205015**

#### GX35EM
- E-Type Micromotor for VR-E
- **E054015**

#### UHR35
- Handpiece
- **H214**

#### VR-E
- E-Type Handpiece
- **H178**

#### Carbon Brush
- For GX35M / GX35EM Pack U1
- **E020316**

#### Chuck-2.35A
- **H203180**

#### Handpiece Stand
- wrench is not included
- **Z095201**

#### Handpiece Holder
- **Y900140**

#### FC-40
- Foot Control
- **Z056**

#### Vmax Suspension Handpiece Cradle
- **Z257012**

#### Vmax35SCD
- Straight Cord
- **Z257013**

#### Wrench for Adjusting Chuck
- **K015751**
The 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 Volvere Vmax will fit anywhere. Vertical placement allows more working space. By placing it horizontally, it can also fit into small places, such as in a rack.

Control Unit

Unique Design
Volvere Vmax will fit anywhere. Vertical placement allows 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 this rotation direction. The motor starts and stops without any jerks, 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.

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.

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 mm

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.