# High Precision Universal Milling Machine for Vertical and Horizontal Machining with Automatic Spindle Feed and 3-axis Position Display



www.maxnovocnc.com +86-514-87892928 info@maxnovocnc.com

This kind of MM-VHF280 is the High Accuracy Universal Milling Machine features Large Travels, Vertical and Horizontal Spindle with Separate Drives for Powerful Machining Capacity. Furthermore, this milling machine comes complete with Automatic Spindle Feed. It is ideally suited for wide range of applications in general machine engineering, production of single parts, manufacturing and repairs shops.

## Main Feature :

### Convincing Arguments : Quality, Efficiency and Price

- Versatile for Horizontal and Vertical Multi-functional Milling Capacity
- **Automatic Spindle Feed is included**
- Heavy, Solid Design using Premium Vibration-absorbing Grey Cast Material
- **Automatic Feed in X-axis and Rapid Feed is included**
- Coolant System and Chip Tray Comes Standard Included
- Right -/ Left-hand Rotation
- Solid and Generously Dimensioned Cross Table ( 1270 X 280 mm) with Precision Surface finish with T-slots and Adjustable Wedge Bars
- Polished Gear wheels in oil bath, ensure smooth running
- X-axis can be moved optionally with the hand-wheel or the table feed unit
- Heavy Cast-iron Machine Stand Eliminates Vibrations
- Ideal for Single and Small-series Production
- Tilting for Vertical Milling Head
- High versatility due to horizontal spindle and vertical spindle
- Switch on Automatic Sleeve feed (drilling) via the sleeve feed lever or manual feed of the sleeve with the fine feed hand-wheel
- 3-axis Digital Position Display is Optional
- Automatic Feed in Y-axis is Optional
- Working Table Automatic Lifting in Z-axis is Optional
- Certificate of Original (CO, FORM A, FORM E, FORM F )

## Technical Data :

| | |
|---|---|
| Product Name : | High Precision Universal Milling Machine |
| Product Item : | MM-VHF 280 |
| Table Size : | 1270 X 280 mm |
| Maximum Load Capacity of Table : | 150 KGS |
| T-slot Size : | 14 mm |
| **Horizontal Spindle** | |
| Spindle Taper (Horizontal) : | ISO 40 |
| Spindle Speed (Horizontal) : | 40 — 1300 RPM (9 steps) |
| Throat : | 35 — 370 mm |
| **Vertical Milling Head** | |
| Spindle Taper (Vertical) : | ISO 40 |
| Spindle Speed (Vertical) : | 90 — 2000 RPM (8 steps) |
| Spindle Stroke : | 120 mm |
| Automatic Spindle Sleeve Feed : | 0.08 / 0.25 / 1 mm / Rev (3 steps) |
| Throat : | 220 — 550 mm |
| Milling Head Swivel Range : | -45 degree to +45 degree |
| Distance from Spindle to Column : | 240 — 740 mm |
| Distance from Spindle to Table : | 125 — 425 mm |
| **Travels** | |
| Travel Longitudinal (X-axis) : | 750 mm |
| Travel Cross (Y-axis) : | 230 mm |
| Travel Vertical (Z-axis) : | 360 mm |
| Feed Range Longitudinal (X) : | 32 — 700 mm/min |
| **Drive Capacity** | |
| Main Motor for Horizontal Spindle : | 2200 W |
| Main Motor for Vertical Spindle : | 2200 W |
| Gross Weight : | 1480 KGS |
| Packing Size : | 1750 X 1500 X 2200 mm |
| Standard Accessory : | Automatic Spindle Feed, Automatic Feed in X-axis, Chip Tray, Coolant System, Machine Light, Tools and Toolbox |