# Compact and Versatile Universal Milling Machine with Servo-Motor drive and Large Work Space



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

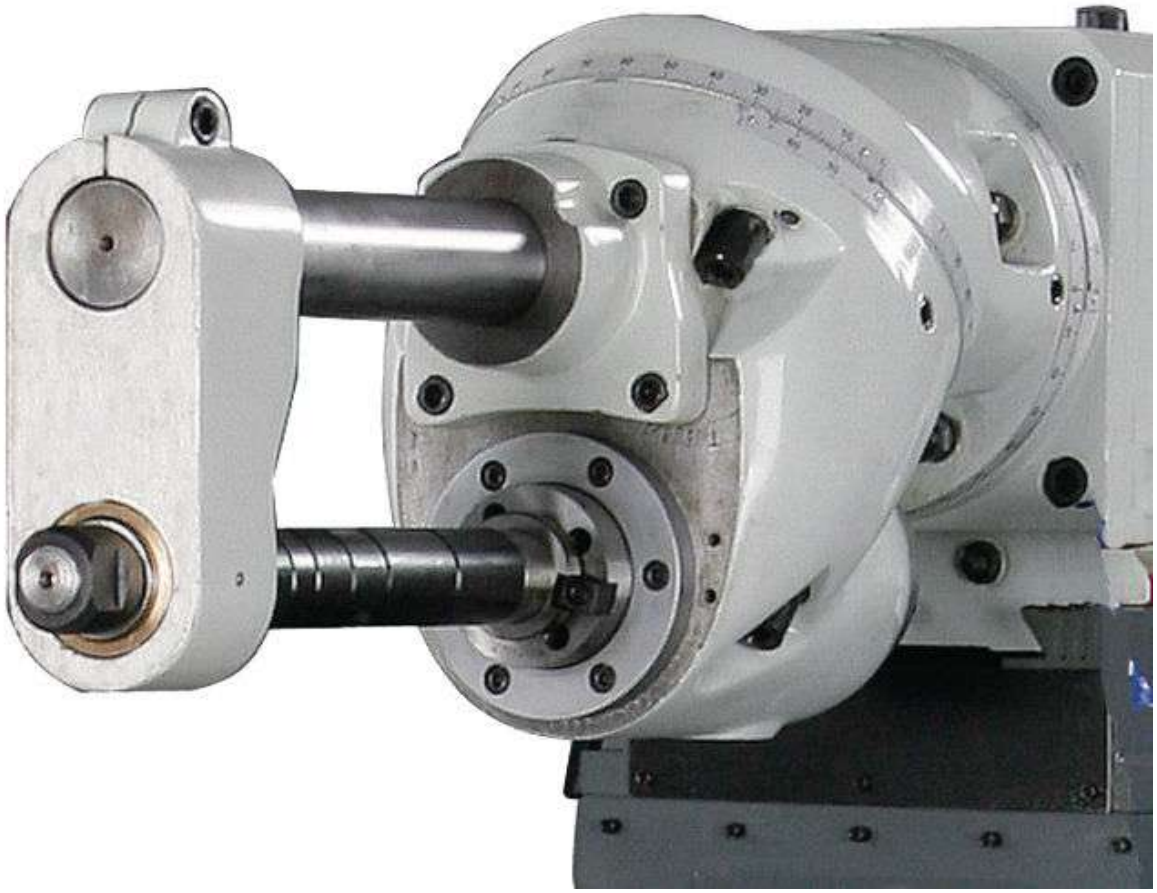
This kind of MM-MT150S is the versatility and compact Universal Milling Machine, with Rectangular guiding in Y-axis and Z-axis, use the advanced Servo-Motor drive for feeds and rapid feed in all three axis. The solid heavy grey cast iron construction making this high precision of Universal Milling Machine ideal for small and medium-sized series in workshops.

## Main Feature :

### Facts that Impress in terms of Quality, Performance and Price

- Extremely rigid machine bed made of high-strength HT-200 cast-iron with heavy ribbing
- Powerful Servo-Motor drive for automatic table feeds and rapid feed in all three axis
- The milling table features a large setup area and can be rotated in linear direction
- Quter arbor support for horizontal milling, mounts to cutter head
- Universal cutter head swivels on 2 planes - quick change-over from horizontal to vertical machining
- By combining both swivel levels, almost any spatial angle can be set
- Heavy, solid design using premium cast meehanite
- Vertical and horizontal milling position
- Rugged machine construction and Milling head pivots and rotates to any spatial angles
- Smooth action due to polished gearwheels running in an oil sump
- Minimum downtime due to rapid positioning of work table and rapid feeds in all axes
- Generously dimensioned, decoupled hand-wheels with scales
- Precision-ground guide-ways with hardened surfaces for long-term accuracy and wear-resistance
- Feed system controlled by Advanced Servo-Motor in X-axis, Y-axis and Z-axis automatic
- Control panel swivels for comfortable operation
- Large rectangular guide in the Y-axis and Z-axis guarantees stability
- Universal milling head system Huron "adjusts to various angles"
- Coolant system and chip tray are included
- Large rectangular guide-ways ensure precision and quiet operation
- Precision-made headstock gears with hardened and ground gears
- Clearly arranged spindle speed control unit on machine arm
- Solid, grey cast iron machine construction eliminates vibrations
- Work table can tilt-able 45 degree is optional spare part
- 3-axis digital position indicator is optional spare part
- Certificate of Original (CO, FORM A, FORM E, FORM F)

# Work in the Horizontal Milling Position



## --Horizontal Milling Position :

- With arrester and collect for disc milling cutter
- Adjustable plain bearing

## --Vertical Milling Position :

- E.g., for milling V-ledges along with the X-axis
- Adjustable plain bearing with arrester and collet for disc milling cutter in horizontal milling
- For milling in horizontal position complete with counter bearing and long milling arbor

# Technical Data :

| | |
|---|---|
| Product Name : | High Precision Universal Milling Machine with Servo Motor |
| Product Item : | MM-MT150S |
| **Working Area** | |
| Table Size : | 1370 X 300 mm |
| Max. Load Capacity of Table : | 300 KGS |
| T-slot : | 3 Pieces X 14 mm (width) X 80 mm (distance) |
| Work Table Tilt-able : | -45 degree to +45 degree (optional) |
| **Milling Head** | |
| Spindle Taper : | ISO 40 (DIN2080) |
| Spindle Speed : | 45--1660 RPM (11 speeds) |
| Milling Head Swivel Range : | 360 degree |
| Distance Spindle Nose to Table Surface : | 150--550 mm |
| Distance from Spindle to Column : | 100-- 590 mm |
| **Travels** | |
| Max. Travel Longitudinal (X) : | 1000 mm |
| Max. Travel Cross (Y) : | 380 mm |
| Max. Travel Vertical (Z) : | 400 mm |
| **Feeds** | |
| Feed Speed Horizontal (X) : | 30—830 mm/min (9 kinds) |
| Feed Speed Cross (Y) : | 30—830 mm/min (9 kinds) |
| Feed Speed Vertical (Z) : | 23—625 mm/min (9 kinds) |
| Rapid Feed X-axis : | 1335 mm /min |
| Rapid Feed Y-axis : | 1335 mm /min |
| Rapid Feed Z-axis : | 1000 mm /min |
| **Drive Capacity** | |
| Main Motor : | 3000 W |
| Motor Rating X-axis Feed : | 10 Nm (Servo Motor) |
| Motor Rating Y-axis Feed : | 10 Nm (Servo Motor) |
| Motor Rating Z-axis Feed : | 10 Nm (Servo Motor) |
| Coolant Pump Motor : | 60 W |
| Connect Voltage : | Three Phase 400V Voltage |
| Gross Weight : | 1980 KGS |
| Packing Size : | 1980 X 1900 X 1920 mm |
| Standard Accessory : | Servo Motor, Coolant System, Central Lubrication, Work Lamp, Power Feed for all three axis, Drawbar M16, Tools and Toolbox |

# Machine Dimensions For MM-MT150S

