Heavy-duty Universal RAW Milling Machine Features Extra Large Work Table and Long Travel with a proven Universal Swivel Head, include separate Servo Motors drive and Ball Screws on all Three Axis



This kind of MM-UWF12S is Servo Motor Drive Universal Milling Machine, with a solid heavy grey cast iron construction making this high precision RAW Milling Machine ideal for heavy duty machining of oversize work-pieces. Features of this swivel head proven universal milling machine include Servo Motors Drive in all three axes, Ball Screws in all three axes, ISO50 spindle taper, 7500W powerful main motor, Electronic Hand-wheels integrated in swivel-able control panel, extra large work table and long travel.

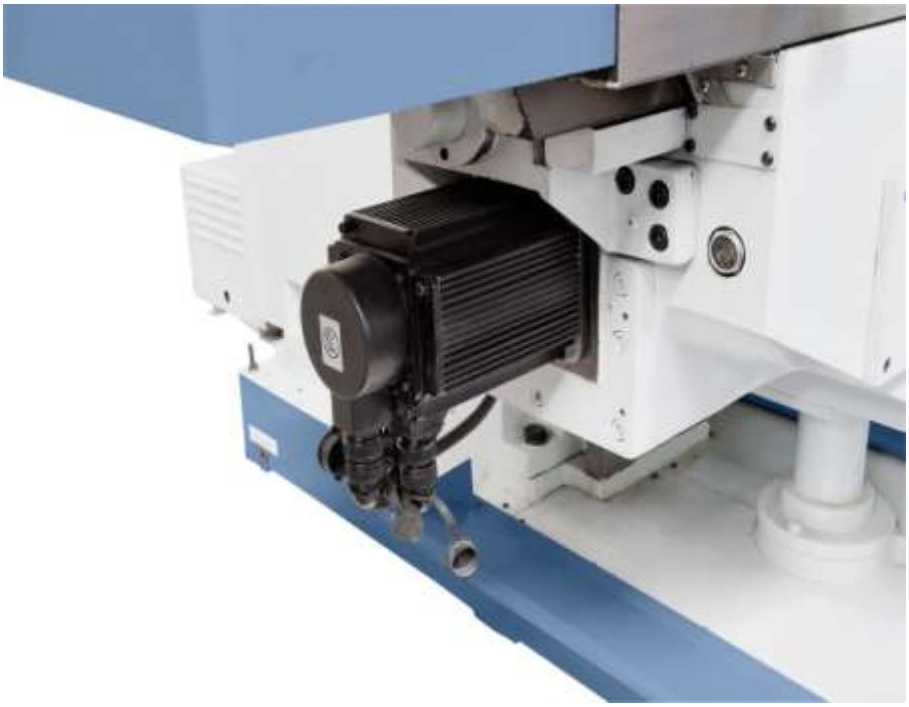
Main Feature :

Convincing Arguments : Quality, Efficiency and Price

- Table size 1600 X 500 mm, Table load 1800KGS, Spindle taper ISO50, Main Motor 7500W
- Preload Ball screws on all Three-axes with ZERO backlash for easy and precise feeds
- Dynamic infinitely variable speed and rapid feed driven by powerful, separate Servo Motors on every axes (all X-/Y-/Z-axis)
- Large dovetail guiding X-axis, rectangular guiding in Y-axis and Z-axis guarantees stability
- Electronic Hand-wheels integrated in swivel-able control panel for easy operation
- Stepless feed settings and rapid feed in all axis driven by Servo Motors
- Extra large work table and wide travel ranges on all Three-axes
- Universal swivel head – cutter can be moved to any spatial angle
- Hardened, nitrated and polished gear wheels in oil bath
- Rigid torsion-proof construction with additional guide columns for constant precision when machining heavy work-pieces
- Universal milling head swivel 360 degree can be set to various angles
- Fine-stepped spindle gears for powerful machining
- Optimal adjustment spindle speed and feed for economic machining of various materials
- Precise dovetail guides on X-axis, wide square guides on Z-axis
- Ball screws in all three-axes to guarantee high accuracy
- Central lubrication for 3-axis (X/Y/Z-axis) are standard equipment
- Central lubrication for guide-ways comes standard
- Double supporting column for big load and high accuracy
- Mechanical change speeds in head stock for powerful machining capacity
- Large cross table with T-slots treated surface for heavy work-piece load
- Machine body in heavy cast iron construction for vibration-free run
- Clearly arranged spindle speed control unit on machine arm
- Turcite-B coating in X-axis reduces slip-stick effect
- Swivel milling head can machine any angle surface through front half-sphere
- 3-axis Digital Position Indicator is optional special spare parts
- Certificate of Original (CO, FORM A, FORM E, FORM F)



A Proven Universal Swivel Head can machine any angle surface



Ball Screws and 3 separate Servo Motors Drive in all Three Axis

Technical Data :

Product Name :	Universal Milling Machine with Servo Motor and Ball Screws
Product Item :	MM-UWF12S
Working Area	
Table Size :	1600 X 500 mm
Max. Load Capacity of Table :	1800 KGS
Number of T-slot :	5 Pieces
T-slot Width :	18 mm
T-slot Spacing :	80 mm
Milling Head	
Spindle Taper :	ISO 50
Spindle Speed :	30-2050 RPM (27 kinds)
Milling Head Swivel Range :	360 degree
Distance from Spindle Nose to Table Surface :	50-550 mm
Throat :	45 -745 mm
Travels	
Max. Travel Longitudinal (X) :	1200 mm
Max. Travel Cross (Y) :	700 mm
Max. Travel Vertical (Z) :	500 mm
Feeds	
Feed Speed Horizontal (X) :	10—1000 mm/min (variable speed)
Feed Speed Cross (Y) :	10—1000 mm/min (variable speed)
Feed Speed Vertical (Z) :	5—500 mm/min (variable speed)
Rapid Feed X-axis :	2200 mm /min
Rapid Feed Y-axis :	2200 mm /min
Rapid Feed Z-axis :	1100 mm /min
Drive Capacity	
Main Motor :	7500 W
Motor Rating X-axis Feed :	15 Nm (Servo Motor)
Motor Rating Y-axis Feed :	15 Nm (Servo Motor)
Motor Rating Z-axis Feed :	18 Nm (Servo Motor)
Gross Weight :	5000 KGS
Packing Size :	2480 X 2260 X 2180 mm
Standard Accessory :	Servo Motor in all Three-Axis (X/Y/Z-axis), Coolant System, Ball Screws in all Three-Axis (X/Y/Z-axis), Central Lubrication, Universal Swivel Head, Work Lamp, Tools and Toolbox