Heavy Duty Universal Leading and Feed Spindle Lathes, Characterized by Excellent Flexibility, Precision and Economy



This kind of MM-TH8020D is the heavy-duty universal metal centre lathe which is been made in ISO9001 factory from MAXNOVO MACHINE with CE Safety Certification. Such high precision of metal turning engine lathe distinguishes itself by quality, accurate, sustainability and consistent value. High rigidity and powerful with perfect control for a wide machining variety of applications.

Main Feature :

Facts that impress in term of Quality, Performance and Price

- Max.Swing Over Bed is 800 mm and Distance Between Centers is 2000 mm
- Large Spindle Capacity 105 mm for machining of long parts
- High Accuracy and Low-noise Operation even at high cutting power
- Tempered and polished Z-axis guide-way
- Spindle Collect Seat Camlock DIN ISO 702-2 No. 8
- Precision Slide
- All guides adjustable using cleats
- Adjustment range of Top Slide 90 degree
- Guaranteed concentricity of spindle nose better than 0.015 mm
- Shafts, Gears and Main Spindle Run in oil bath
- Gearwheels smooth running, tempered and ground borne on 2-readjustable precision taper rollers
- Clear-cut Selector lever for switching the feed speeds
- Closed design of the quick shift feed gear
- Gears and shafts tempered and ground, running in oil batch on precision bearings
- Hand wheels decoupled and approved in line with EN23125
- Two-channel CW/CCW switch approved in line with EN23125
- Switch with Lifecycle calculation, approved in line with EN ISO 13849
- Right-handed / Left-handed rotation switchable on bed slide, switch via switching spindle
- Central Lubrication in bed slide
- Leading Spindle Cover
- Emergency Stop Device with Foot Pedal
- Emergency Stop Button, motor circuit breaker, lockable main switch
- LED Machine Lamp
- Electrical system with Siemens components
- Energy Chain for material-friendly cable and hose guiding
- Safety hand wheels with release function in the X-axis
- Powerful 11KW main motor is optional
- 2-Axis Digital Position Indicator is optional
- Quick Change Tool Post is optional
- Connecting voltage is Three Phase 400V
- Certificate of Original (CO, FORM A, FORM E, FORM F)

Slide
- Precise workmanship
- Top slide rotates through 360°
- Gears and shafts running in oil bath
- Hand wheels with adjustable fine scaling 0.04 / 0.02 mm
- Quick change tool holder SWH9-D
- All guidings adjustable via V-ledges
- Chip guard on top slide

Tailstock
- Adjustable ± 13 mm for turning balls
- Tailstock spindle sleeve and hand wheel with adjustable fine scaling
- Crank for position change
- Tailstock spindle sleeve with two adjustable transmission ratios 1/4 or 1/1 rev

Main spindle
- Tempered and ground
- Dry sump lubrication
- Borne on 3 adjustable precision taper roller bearings
- Gearwheels easy action, tempered and ground

Hand wheels
- Decoupled
- tested in accordance with EN 23125

Switch
- With lifecycle calculation
- tested in accordance with EN ISO 13849

Energy chain
- Protecting cable and hose routing



Fast feed
- Pushbutton and selector lever for enabling rapid motion in transverse and longitudinal directions
- For even more rational work
- Does not switch off the entire machine when running into the limit switch

Clockwise/anticlockwise switch
- Two channel
- tested in accordance with EN 23125

Electrical motor brake
- Fast emergency stop
- In normal operations, fast stop without post-run





Coolant tank
- Separate with fill level display and oil trap
- Easy and complete draining and cleaning

Technical Data :

Product Name :	Heavy Duty Universal Lathe Machine
Product Item :	MM-TH8020D
Machine Data	
Max Swing over Bed :	Ø 800 mm
Distance between Centers :	2000 mm
Turning over Cross Slide :	Ø 570 mm
Turning Diameter in Bed Bridge :	Ø 1035 mm
Centre Height :	400 mm
Length of Bed Bridge :	250 mm
Bed Width :	400 mm
Spindle Speed :	25—1600 RPM
Number of Steps :	16 Steps
Headstock	
Spindle Taper :	MT 7 (Ø113 mm Taper 1:20)
Spindle Seat :	Camlock DIN ISO702-2 NO.8
Spindle Hole, rod passage :	Ø 105 mm
Slide	
Travel Top slide :	230 mm
Travel Cross slide :	420 mm
Longitudinal feed in range of :	0.044—1.48 mm/rev (25 feeds)
Cross feed in range of :	0.022—0.74 mm/rev (25 feeds)
Pitch-Metric in the range of :	0.45—120 mm / rev (54 thread pitches)
Pitch-Inch in the range of :	80—7/16 turn / inch (60 thread pitches)
Trapezoid thread in range of :	7/8—160 D.P (42 trapezoid thread)
Modular Thread in range of :	0.25—60 M.P (46 modular thread)
Height of quadruple tool holder :	Max. 32 mm
Tailstock Taper :	MT 5
Tailstock – Sleeve Travel :	235 mm
Drive Capacity	
Main Motor :	7500W (powerful 11KW drive motor is optional)
Coolant Pump Motor :	100W
Connecting Voltage :	Three Phase 400V
Gross Weight :	3880 KGS
Packing Size :	4287 X 1525 X 1750 mm
Standard Accessory :	3-Jaw Chuck Ø 325mm, 4-Jaw Chuck Ø 400mm, Face clamping disc Ø 500mm, Machine Substructure, Coolant Equipment, Change Gear Kit, Machine Lamp, Tools and Toolbox

Machine Dimensions For MM-TH8020D

