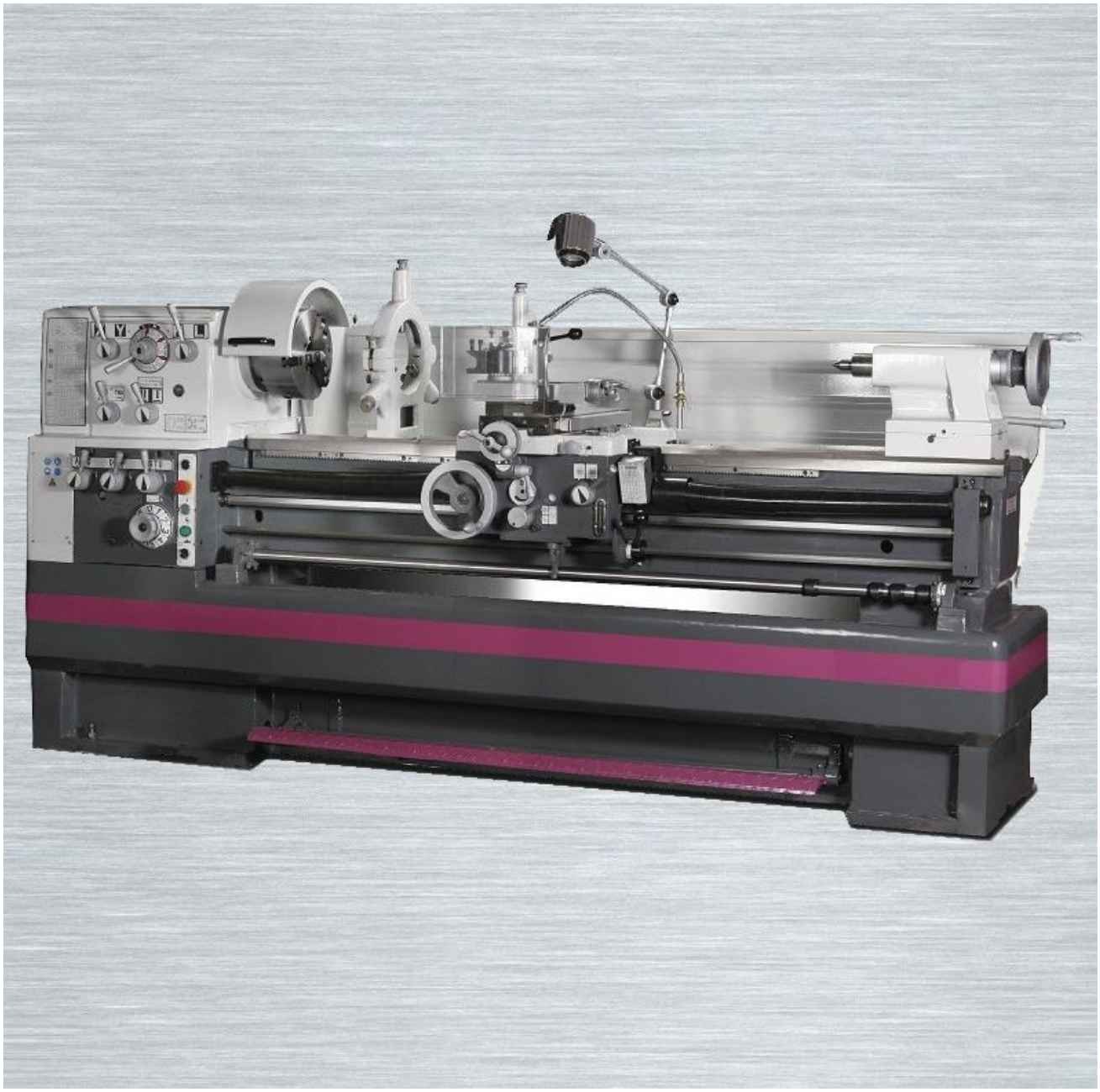
Heavy Feed and Lead Screw Metal Lathe, Characterized by Excellent Flexibility, Precision and Economy. The Digital Position Display is Optional for Demanding Users



This kind of MM-D560X1500 is the proven classic type heavy duty metal engine lathe which is been made in ISO9001 factory from MAXNOVO MACHINE with CE Safety Certification. Such high precision of lead screw universal turning lathe machine is specifically designed for quick and economical single part or series production. The large number of spare part equipment makes this metal lathe incredibly versatile for demanding users.

Main Feature :

Facts that impress in terms of Quality, Performance and Price

- Maximum Swing over Bed is 560 mm (diameter)
- Hardened and ground bed guide-ways
- Easy and compete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Clearly arranged gear selector levers to switch the feed speeds
- Camlock spindle seat DIN ISO 702-2 No.8
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / Left-handed rotation on the bed slide switchable via stem
- Coolant equipment with separate coolant tank separately with filling level display and oil separator
- Lead Screw Cover is Optional
- Emergency Stop Device and Foot Pedal Brake
- Electrical system with Siemens components
- First filling with high grade Mobil oil
- Adjustable scale of the threading gauge
- Quick action tool holder with tool holder for square tools
- Considerable reduction of the manufacturing times
- Outstanding working accuracy
- Clearly-arranged keyboard and Large number of threads leads
- The gears are hardened and precision-ground
- Wide bed, ground and hardened
- Logical clearly designed and easy-to-use and feed settings
- Bigger Spindle Bore (105 mm) is Optional
- Digital Position Display is Optional
- Connecting voltage is 3 Phase 400V
- Certificate of Original (CO, FORM A, FORM E, FORM F)

Main spindle
- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Gearwheels smooth running, hardened and ground

Fast acting feed gear
- Closed structure
- Hardened and ground toothed wheels and shafts
- Running in an oil bath on precision bearings

Slide
- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quick action tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Shafts and wheels running in the oil bath
- Range of adjustment top slide ± 90°

Energy chain
- Cable duct in an energy chain

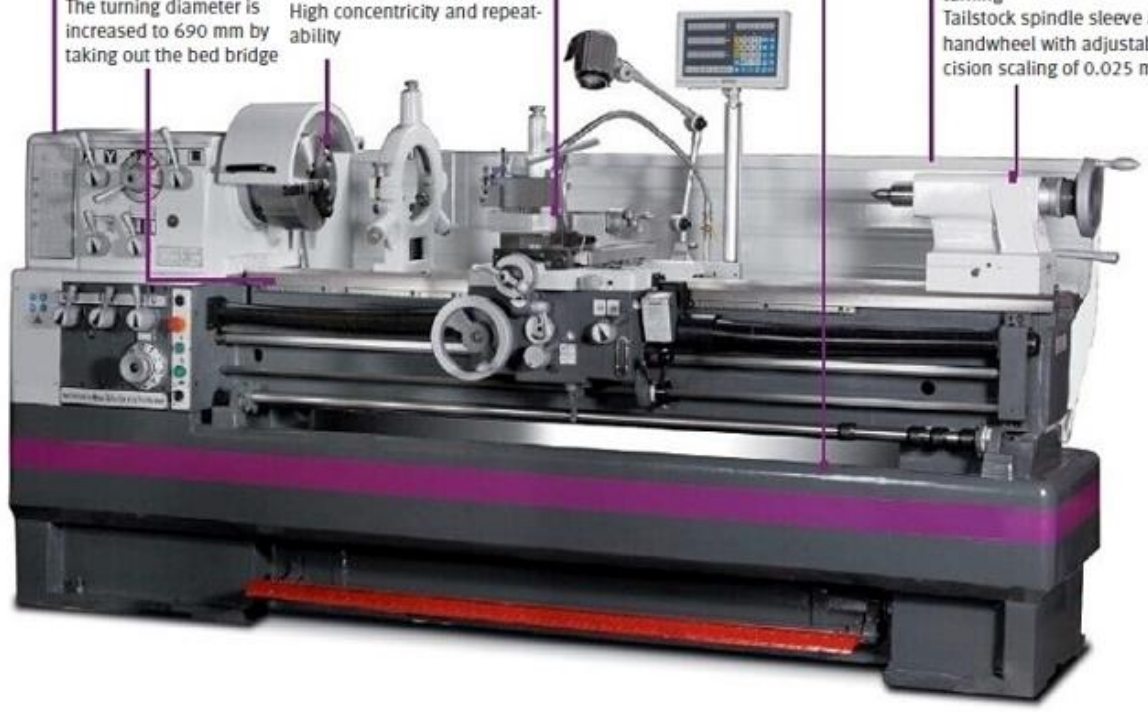


Base frame and lathe bed
- Meehanite casting
- One-piece casting

Quality lathe chuck
Precisely
Higher speed is possible
High concentricity and repeat-ability

Bed bridge
The turning diameter is increased to 690 mm by taking out the bed bridge

Tailstock
Adjustable by ± 15 mm for taper turning
Tailstock spindle sleeve and handwheel with adjustable pre-cision scaling of 0.025 mm



Technical Data :

Product Name :	Heavy Duty Metal Centre Engine Lathe		
Product Item :	MM-D560 X 1500	MM-D560 X 2000	MM-D560 X 3000
Machine Data			
Maximum Swing over Bed :	Ø 560 mm	Ø 560 mm	Ø 560 mm
Distance Between Centers :	1500 mm	2000 mm	3000 mm
Turning over Cross Slide :	Ø 355 mm	Ø 355 mm	Ø 355 mm
Turning Diameter in Bed Bridge :	Ø 785 mm	Ø 785 mm	Ø 785 mm
Centre Height :	280 mm	280 mm	280 mm
Length of Bed Bridge :	170 mm	170 mm	170 mm
Bed Width :	350 mm	350 mm	350 mm
Spindle Speed :	25 — 1600 RPM		
Number of Steps :	12 Steps		
Headstock			
Spindle Taper :	MT 7		
Spindle Seat :	Camlock DIN ISO702-2 No.8		
Spindle Bore :	Ø 80 mm		
Slide			
Travel Top slide :	130 mm		
Travel Cross slide :	316 mm		
Longitudinal feed in Range :	0.059—1.646 mm/rev (35 feeds)		
Transverse feed in Range :	0.020—0.573 mm/rev (35 feeds)		
Pitch-Metric in the Range :	0.2—14 mm / rev (47 thread pitches)		
Pitch-Inch in the Range :	2—112 TPI (60 thread pitches)		
Trapezoid thread in Range :	4—112 (50 trapezoid thread)		
Modular Thread in Range :	0.1—7 (34 modular thread)		
Height of quadruple tool holder :	Max. 25 X 25 mm		
Tailstock Taper :	MT 5		
Tailstock -- Sleeve Travel :	180 mm		
Main Motor :	7500 W		
Coolant Pump :	100 W		
Connecting Voltage :	Three Phase 400V		
Gross Weight :	2750 KGS	3050 KGS	3450 KGS
Packing Size:	2950 X 1200 X 1750 mm (For MM-D560 X 1500) 3550 X 1200 X 1750 mm (For MM-D560 X 2000) 4450 X 1200 X 1750 mm (For MM-D560 X 3000)		
Standard Accessory :	3-Jaw Chuck Ø 315 mm, 4-Jaw Chuck Ø 350 mm, Face clamping disc Ø 450 mm, Machine Substructure, Coolant Equipment, Change Gear Kit, Machine Lamp, Tools and Toolbox		