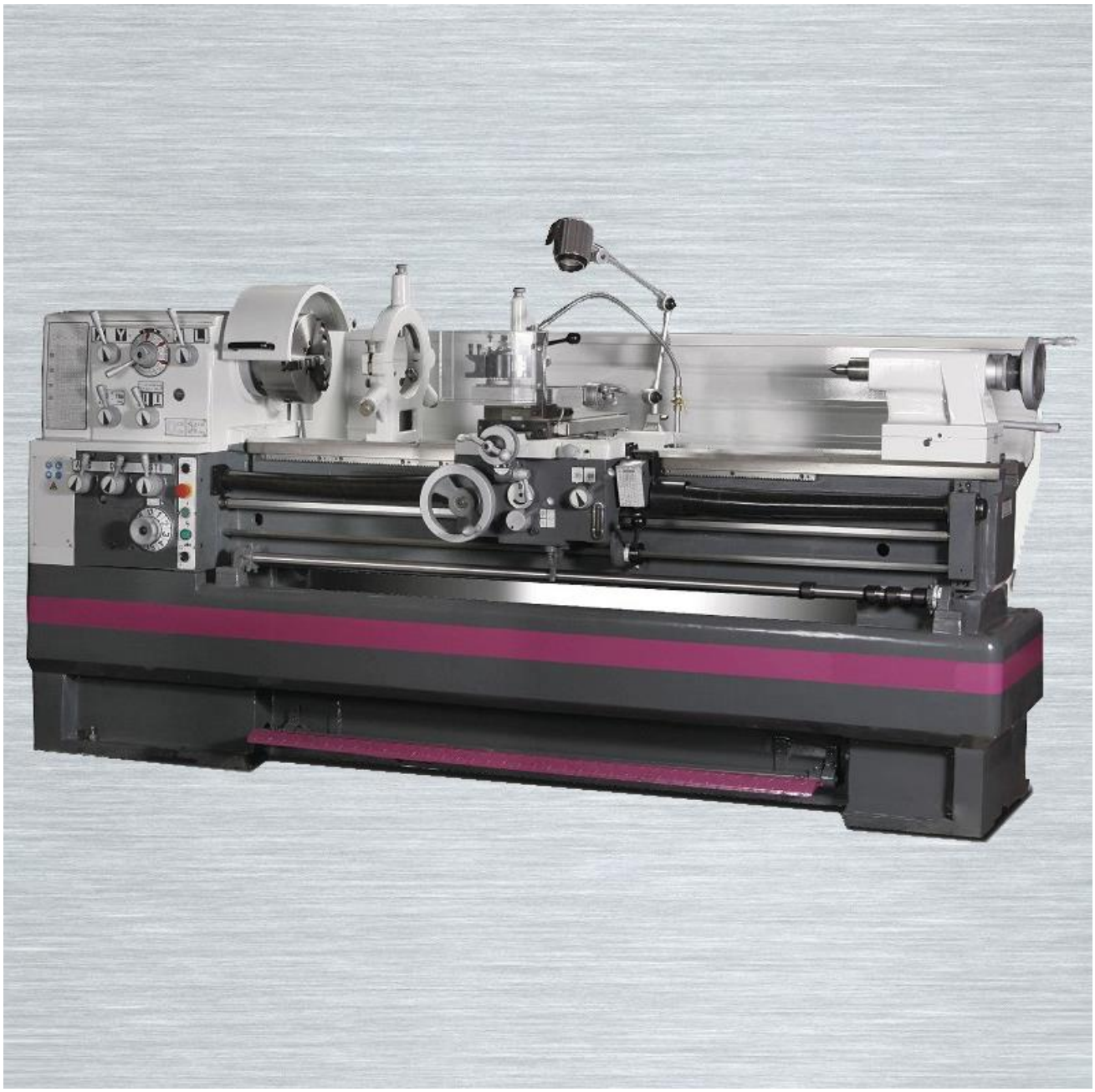
Precision Feed and Lead Screw Lathes that Comply with Strictest Requirements in Terms of Technical Equipment and Precision



This kind of MM-D460X1500 is the modern version of Classic Lathe. They are featured by robust construction, a powerful motor and high level of versatility. Such Horizontal Turning Metal Lathe which is been made in ISO9001 factory from MAXNOVO MACHINE with CE Safety Certification. It is universal turning lathe designed for easy and economical production of single parts or small series. Wide range of spare parts equipment is included, making these engine lathes highly versatile. A proven classic Lead Screw and Feed Shaft metal engine lathe. Quality at a cost-efficient price and this lathe machine is for demanding users.

Main Feature :

Facts that impress in terms of Quality, Performance and Price

- Maximum Swing over Bed is 460 mm (diameter)
- Hardened and ground bed guide-ways
- Camlock spindle seat DIN ISO 702-2 No. 6
- Coolant equipment with separate coolant tank separately with filling level display and oil separator
- Easy and compete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Right-handed / Left-handed rotation on the bed slide switchable via stem
- Mechanic longitudinal feed Switch-off of the slide with four adjustable eccentrics
- Lead Screw Cover is Optional
- Excellent working accuracy
- Emergency Stop Device and Foot Pedal Brake
- Central lubrication at the bed slide
- Considerable reduction of the manufacturing times
- Electrical system with Siemens components
- First filling with high grade Mobil oil
- Adjustable scale of the threading gauge
- Halogen machine lamp with articulated arm
- Error rate is reduced
- Clearly-arranged keyboard
- Bigger Spindle Bore (80 mm) is Optional
- Quick Change Tool Holder is Optional
- Digital Position Display is Optional
- 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 :	High Precision Horizontal Turning Metal Lathe		
Product Item :	MM-D460 X 1000	MM-D460 X 1500	MM-D460 X 2000
Machine Data			
Maximum Swing over Bed :	Ø 460 mm	Ø 460 mm	Ø 460 mm
Distance between Centers :	1000 mm	1500 mm	2000 mm
Turning over Cross Slide :	Ø 270 mm	Ø 270 mm	Ø 270 mm
Turning Diameter in Bed Bridge :	Ø 690 mm	Ø 690 mm	Ø 690 mm
Centre Height :	230 mm	230 mm	230 mm
Length of Bed Bridge :	165 mm	165 mm	165 mm
Bed Width :	300 mm	300 mm	300 mm
Spindle Speed :	25 — 2000 RPM		
Number of Steps :	12 Steps		
Headstock			
Spindle Taper :	MT 6		
Spindle Seat :	Camlock DIN ISO702-2 No.6		
Spindle Bore :	Ø 58 mm		
Slide			
Travel Top slide :	128 mm		
Travel Cross slide :	285 mm		
Longitudinal feed in Range :	0.031—1.7 mm/rev (40 feeds)		
Transverse feed in Range :	0.014—0.784 mm/rev (40 feeds)		
Pitch-Metric in the Range :	0.1—14 mm / rev (53 thread pitches)		
Pitch-Inch in the Range :	2—112 TPI (40 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 4		
Tailstock -- Sleeve Travel :	130 mm		
Main Motor :	5500 W		
Coolant Pump :	100 W		
Connecting Voltage :	Three Phase 400V		
Gross Weight :	1950 KGS	2250 KGS	2450 KGS
Packing Size:	2250 X 1160 X 1670 mm (For MM-D460 X 1000) 2800 X 1160 X 1670 mm (For MM-D460 X 1500) 3350 X 1160 X 1670 mm (For MM-D460 X 2000)		
Standard Accessory :	3-Jaw Chuck Ø 250 mm, 4-Jaw Chuck Ø 300 mm, Machine Lamp, Face clamping disc Ø 350 mm, Machine Substructure, Coolant Equipment, Change Gear Kit, Tools and Toolbox		