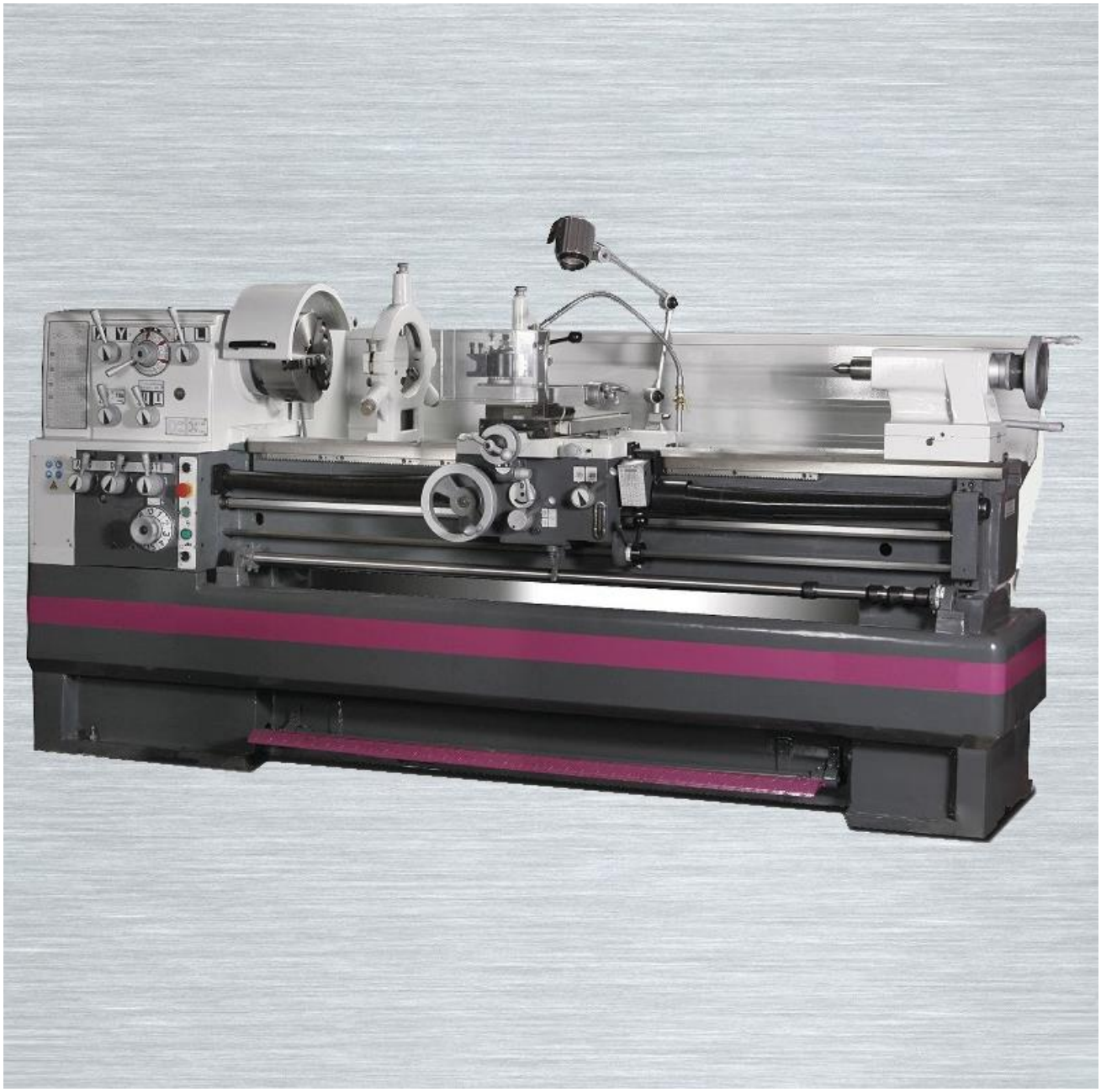
Lead Screw and Feed Rod Lathe Machine that Meet the Highest Requirements in Terms of Technical Equipment, Excellent Precision and Robust Construction



This kind of MM-D510X1500 is the high precision Conventional Centre Lathe which is been made in ISO9001 factory from MAXNOVO MACHINE with CE Safety Certification. Such horizontal turning universal metal lathe machine distinguishes itself by quality, accurate, sustainability and consistent value. Excellent 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 510 mm (diameter)
- Hardened and ground bed guide-ways
- Considerable reduction of the manufacturing times
- High working accuracy
- Precisely machined slide
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Electrical system with Siemens components
- Error rate is reduced
- First filling with high grade Mobil oil
- Adjustable scale of the threading gauge
- Halogen machine lamp with articulated arm
- Central lubrication at the bed slide
- Camlock spindle seat DIN ISO 702-2 No.8
- Coolant equipment with separate coolant tank separately with filling level display and oil separator
- Easy and compete draining and cleaning according to DIN
- Right-handed/left-handed rotation on the bed slide switchable via stem
- Mechanic longitudinal feed switch-off of the slide with four adjustable eccentrics
- Central lubrication at the bed slide
- Lead Screw Cover is Optional
- Quick Change Tool Holder is Optional
- Digital Position Display is Optional
- Connecting voltage is Three 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-D510 X 1500	MM-D510 X 2000	MM-D510 X 3000
Machine Data			
Maximum Swing over Bed :	Ø 510 mm	Ø 510 mm	Ø 510 mm
Distance Between Centers :	1500 mm	2000 mm	3000 mm
Turning over Cross Slide :	Ø 305 mm	Ø 305 mm	Ø 305 mm
Turning Diameter in Bed Bridge :	Ø 735 mm	Ø 735 mm	Ø 735 mm
Centre Height :	255 mm	255 mm	255 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 (42 feeds)		
Pitch-Metric in the Rang :	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 :	2650 KGS	2950 KGS	3350 KGS
Packing Size :	2900 X 1190 X 1730 mm (For MM-D510 X 1500) 3500 X 1190 X 1730 mm (For MM-D510 X 2000) 4400 X 1190 X 1730 mm (For MM-D510 X 3000)		
Standard Accessory :	3-Jaw Chuck Ø 315 mm, 4-Jaw Chuck Ø 350 mm, Machine Lamp, Face clamping disc Ø 450 mm, Machine Substructure, Coolant Equipment, Change Gear Kit, Tools and Toolbox		