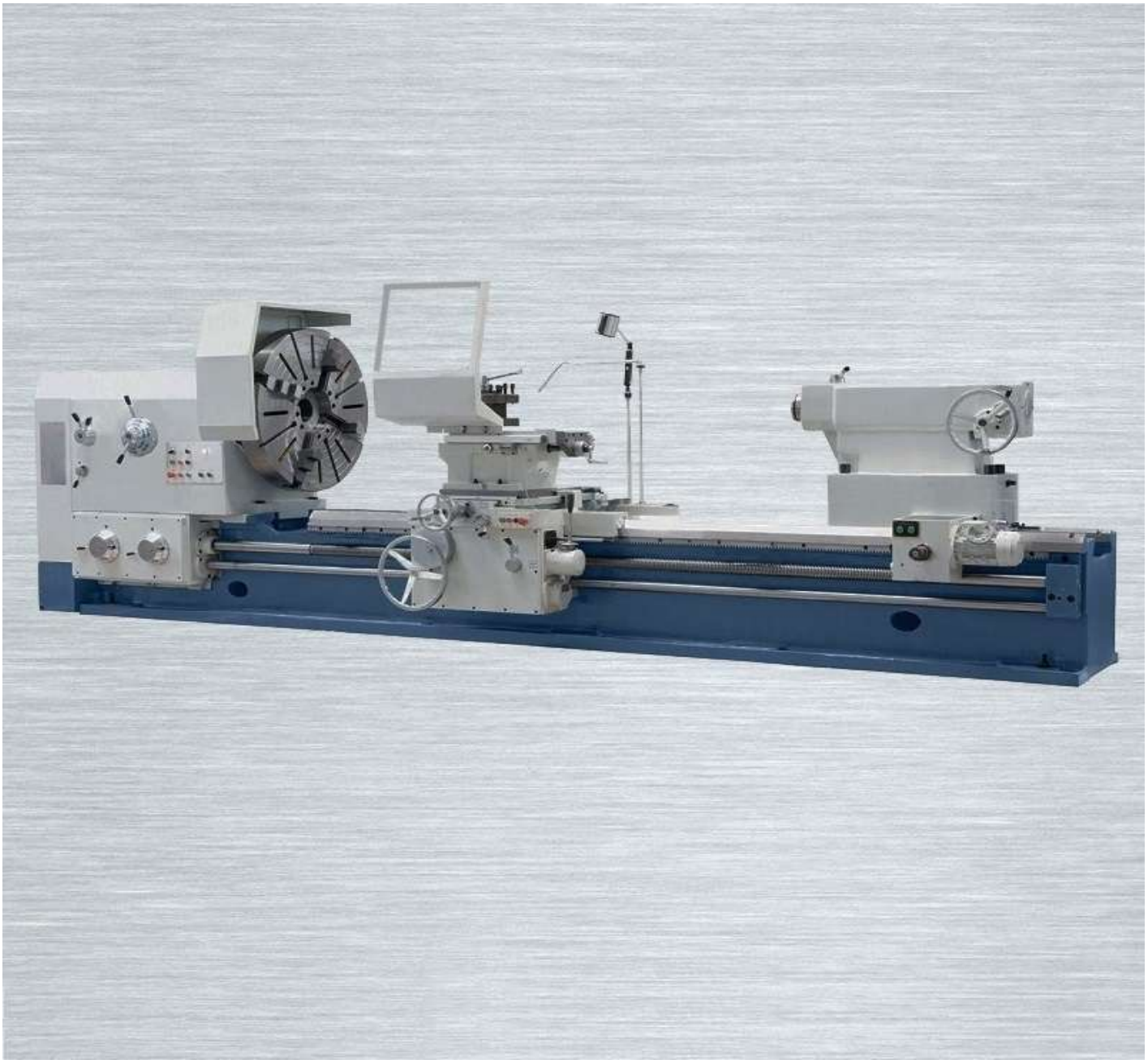
Heavy Duty Universal Engine Lathe which has Larger Machine Bed, Big Spindle Bore, Large Turning Diameter and Maximum Stability and High Accuracy for Roughing and Finishing Operations.



This kind of MM-DLE1000 series is high precision Universal Heavy-duty Metal Engine Lathe which is been made in ISO9001 factory from MAXNOVO MACHINE with CE Safety Certification. Such heavy-duty lathe has Larger Machine Bed width 1100 mm, Maximum Swing Over Bed 1980 mm diameter, Big Spindle Bore diameter 130 mm, Maximum Loading Weight of work-pieces 10 Tons and the Center Widths up-to 16000 mm.

Main Feature :

Convincing Arguments: Quality, Efficiency and Price

- Maximum Swing over Bed Ø 1980 mm
- Larger Rigid Machine Bed Width 1100 mm
- Maximum Loading Weight of work-piece 10 Tons
- 30KW Powerful motor ensures high cutting power
- 1500W tailstock motor maximum convenient
- Extra heavy, wide machine bed with heavy ribbing construction
- Induction hardened and ground guide-ways
- Large Spindle Bore (Ø 130 mm diameter)
- Very quiet operating at maximum spindle speed
- Large spindle bearings
- Rapid feed for X and Z axis allow quick support positioning and less down-time
- Sturdy multi-disk clutch for headstock drive
- More accuracy and Lower error rate
- Overload clutch enclosed in apron
- Heavy-duty cast-iron body with ribbed bed reduces vibrations to a minimum
- The auxiliary gearbox features a wide spectrum of diametric, inch, module threads
- 3-axis digital position indicator is optional
- Certificate of Original (CO, FORM A, FORM E, FORM F)

Technical Data :

Product Name :	Universal Heavy Duty Engine Lathe Machine
Product Item :	MM-DLE 1000
Max. Weight of Work-piece :	10 Tons
Max. Swing over Bed :	Ø 1980 mm
Max. Swing over Gap Bridge :	Ø 2300 mm
Max. Swing over Cross Slide :	Ø 1500 mm
Distance Between Centers :	3000 /4000 /5000 /6000 /8000 /10000 /12000 /14000 /16000 mm
Bed Width :	1100 mm
Swing range of Top Slide :	± 180 degree
Headstock	
Spindle Bore :	Ø 130 mm
Spindle Taper :	Ø 140 mm
Spindle Speed Range :	3.15—315 RPM or 2—200 RPM or 2.5—250 RPM (21 kinds)
Tapping Capacity	
Pitch-Metric in range of :	1—120 mm (44 kinds)
Pitch-Inch in range of :	1/4—24 (31 kinds)
Module Threads Range :	0.5—60 mm (45 kinds)
Diameter Threads Range :	1/2—56 DP (38 kinds)
Longitudinal feed Range :	0.1—12 mm/rev (56 kinds)
Transverse feed Range :	0.05—6 mm/rev (56 kinds)
Rapid Feed X-axis :	1700 mm / min
Rapid Feed Z-axis :	3400 mm / min
Tailstock	
Tailstock Taper :	Metric 80
Tailstock Quill Diameter :	Ø 260 mm
Tailstock Sleeve Travel :	300 mm
Travel of Top slide :	280 mm
Travel of Cross slide :	860 mm
Drive Capacity	
Main Motor :	30 KW
Rapid Feed Motor :	1.5 KW
Tailstock Motor :	1.5 KW
Tool Shank Dimensions :	45 X 45 mm
Packing Type :	Export Type Pallet Packing
Gross Weight :	22100 KGS (for MM-DLE 1000 X 5000)
Packing Size :	8310 X 2200 X 2450 mm (for MM-DLE 1000 X 5000)
Standard Accessory :	4-Jaw Chuck, Oil Gun, Center, Main Spindle Center, Spindle Center Sleeve, Tailstock Centre, Tools and Tool box