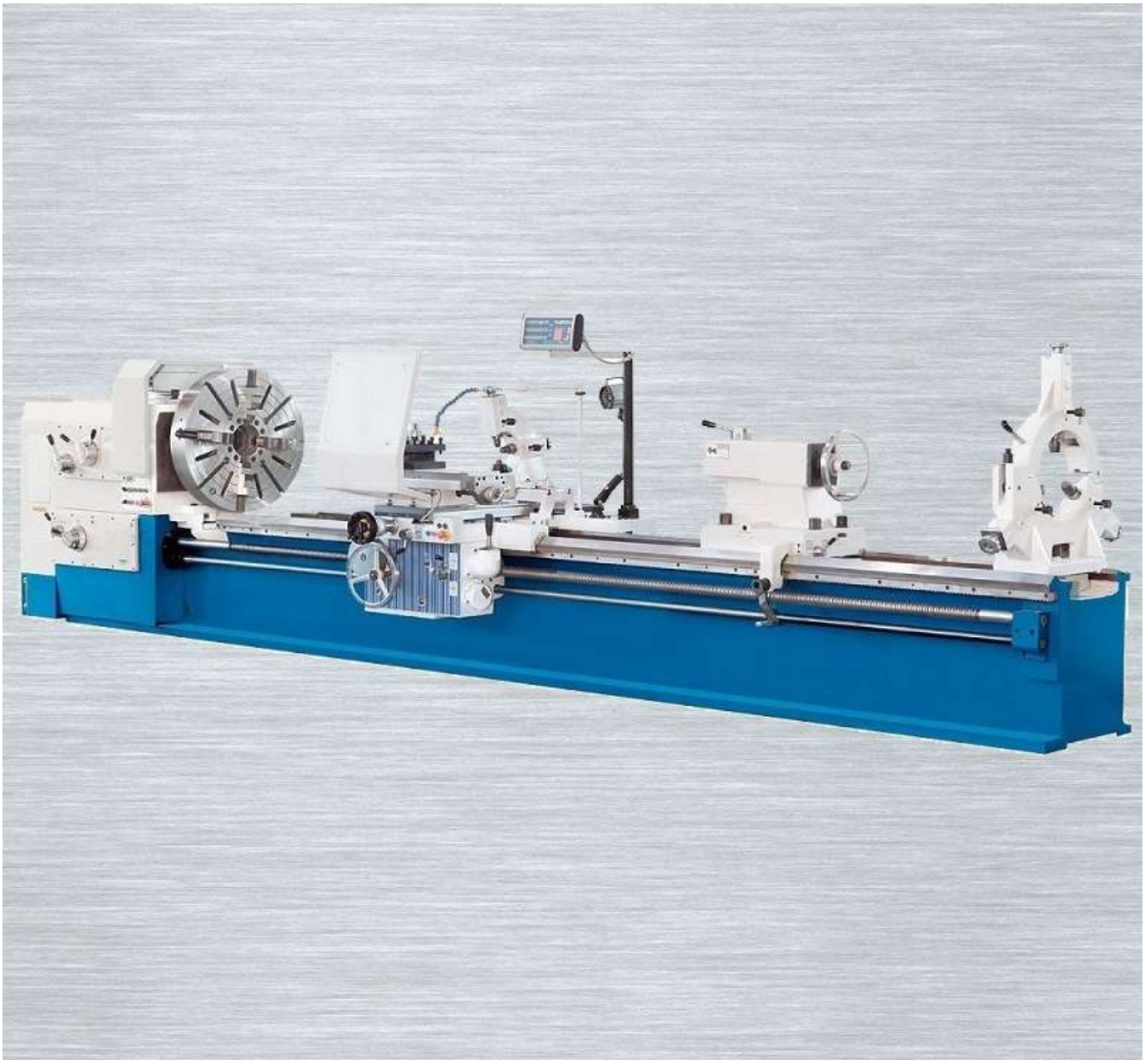
Universal Heavy-duty Engine Lathe which has Larger Machine Bed, Big Spindle Bore, Large Turning Diameter and Maximum Stability and High Accuracy for Roughing and Finishing Operations.



This kind of MM-DLE500 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 780 mm, Big Spindle Bore 130 mm diameter, Maximum Weight of work-pieces 8000 KGS and the Center Width up-to 12000 mm.

Main Feature :

Convincing Arguments: Quality, Efficiency and Price

- Maximum Swing over bed Ø 1000 mm
- Larger Rigid Machine Bed Width 780 mm
- Maximum Weight of work-piece 8000 KGS
- Extra heavy, wide machine bed with heavy ribbing construction
- 22KW Powerful motor ensures high cutting power
- Induction hardened and ground guide-ways
- The auxiliary gearbox features a wide spectrum of diametric, inch, module threads
- 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
- Large spindle bore (Ø 130 mm diameter)
- Very quiet operating at maximum spindle speed
- Large spindle bearings
- Heavy-duty cast-iron body with ribbed bed reduces vibrations to a minimum
- Motorized Tailstock is Optional
- 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 500
Max. Weight of Work-piece :	8000 KGS
Maximum Swing over Bed :	Ø 1000 mm
Max. Swing over Gap Bridge :	Ø 1400 mm
Max. Swing over Cross Slide :	Ø 630 mm
Distance Between Centers :	1500 /2000 /3000 /4000 /5000 /6000 /8000 /10000 /12000 mm
Bed Width :	780 mm
Swing range of Top Slide :	90 degree
Headstock	
Spindle Bore :	Ø 130 mm
Spindle Taper :	Ø 140 mm
Spindle Speed Range :	3.15—315 RPM (21 kinds)
Tapping Capacity	
Pitch-Metric in Range :	1—120 mm (44 kinds)
P itch-Inch in Range :	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 160 mm
Tailstock Sleeve Travel :	300 mm
Travel of Top slide :	280 mm
Travel of Cross slide :	650 mm
Drive Capacity	
Main Motor :	22 KW
Rapid Feed Motor :	1.5 KW
Coolant Motor :	150 W
Tool Shank Dimensions :	45 X 45 mm
Packing Type :	Export Type Pallet Packing
Gross Weight :	12800 KGS (for MM-DLE 500 X 3000)
Packing Size :	6180 X 1900 X 2450 mm (for MM-DLE 500 X 3000)
Standard Accessory :	4-Jaw Chuck, Oil Gun, Center, Main Spindle Center, Spindle Center Sleeve, Tailstock Centre, Tools and Tool box