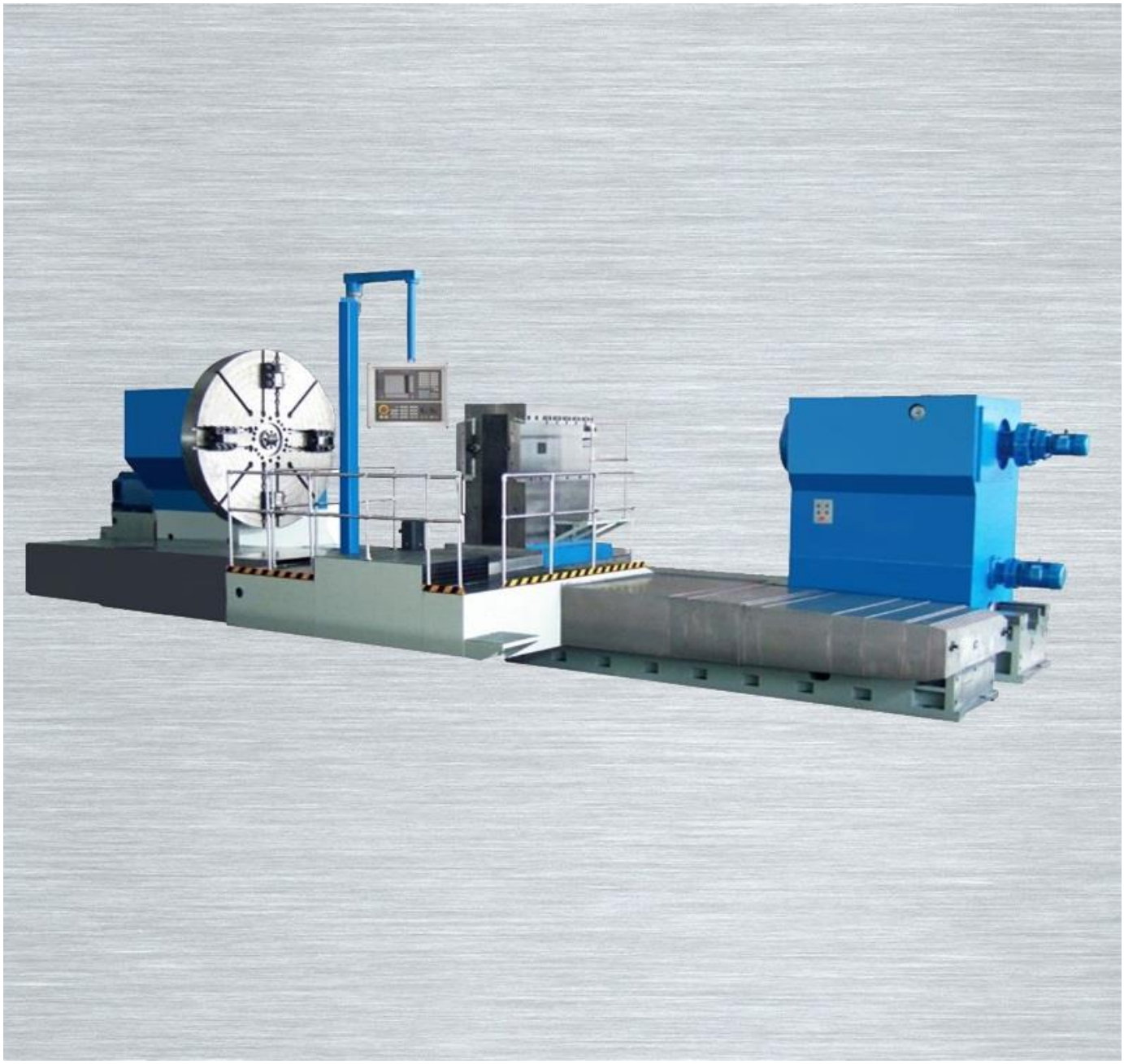
Extra-Heavy Duty Horizontal Turning CNC Lathe Machine with Maximum Loading Capacity of Work-piece Weight up to 200 Tons



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This kind of WL 4000 Extra-Heavy Duty Horizontal Turning CNC Lathe Machine with Maximum Loading Capacity of Work-piece Weight up to 200 Tons. It is the perfect solution for machining extra-large work-pieces with extremely heavy weight or long length.

Such high precision CNC Lathe adopts modular design, with advantages of heavy load, high precision, strong structure, wide application and convenient operation. The machine bed adopts separate 4 guide-ways, and drag bed body adopts Hydrostatic guide-way structure. The main motor is driven by powerful DC motor, which is changed in two gears to achieve the speed range of the spindle.

Besides basic performance of conventional heavy duty horizontal lathe the machine can carry out CNC automatic machining for cone and curve surfaces, steps groove, and thread etc. Milling, grinding, boring and drilling can be carried out if equipped with different attachments. The machine can be applied in industries of energy, transportation, metallurgy, aerospace, aviation and heavy duty machinery, such as machining rotor of steamer, generator, rotor of water turbine, mechanical shaft, rudder spindle and barrel of ship. It has much more Flexibility and Productivity for machining Extra heavy weight or long length parts.

Main Feature :

Convincing Arguments : Quality, Efficiency and Price

- Extra-Heavy Duty Horizontal Turning CNC Lathe
- Maximum Loading Capacity Between Centers is up to 200 Tons
- Maximum Swing Over Bed is up to Ø 5000 mm
- Maximum Machining Diameter Over Carriage is up to Ø 4000 mm
- Maximum Turning Length is up to 25000 mm
- Powerful main motor is up to 185 KW
- FANUC or SIEMENS or REXROTH CNC Control System is Optional
- Certificate of Original (CO, FORM A, FORM E, FORM F)

Technical Data :

Product Name :	Heavy Duty Horizontal Turning CNC Lathe			
Product Item :	WL 3150	WL 3500	WL 4000	WL 5000
Max. Loading Weight Capacity (Between Centers) :	80 — 200 Tons			
Type of Lathe Bed Guide-way :	Separate Lathe Bed, Hydrostatic Guide-way			
Guideway Quantity :	2+2			
CNC System :	FANUC or SIEMENS or REXROTH			
Machine Data				
Maximum Swing Over Bed :	Ø 3150 mm	Ø 3500 mm	Ø 4000 mm	Ø 5000 mm
Maximum Swing Over Carriage :	Ø 2600 mm	Ø 2900 mm	Ø 3500 mm	Ø 4000 mm
Distance Between Centers :	6000 — 25000 mm			
Maximum Turning Length :	6000 — 25000 mm			
Maximum Cutting Force :	80 — 160 KN			
Chuck Diameter :	Ø 2500 mm	Ø 3150 mm	Ø 3500 mm	Ø 4000 mm
Headstock				
Diameter of Bearing at Spindle Front End :	Ø 670 mm			
Spindle Speed :	0.63 –125 RPM	0.5 –100RPM	0.5 –100 RPM	0.4 –80 RPM
Tooling Turret				
Tool Post Type :	Frame Tool Post or Vertical 4-Station Tool Post			
Section Size of Tool Shank :	70 X 70 mm	70 X 70 mm	80 X 80 mm	80 X 80 mm
Travel				
Range of Longitudinal Feed :	1 — 2000 mm / min			
Range of Cross Feed :	1 — 2000 mm / min			
Rapid Movement Speed :	3000 mm /min			
Tailstock				
Tailstock Quill Diameter :	Ø 630 mm			
Tailstock Quill Stroke :	200 mm			
Drive Capacity				
Main Motor :	125 — 185 KW			