

C25 CNC Lathe with Automatic Loading and Unloading

A compact CNC turning platform for automated small-part production.



25 mm	6,000 rpm	8 s
Maximum bar diameter	Maximum spindle speed	Robot unloading cycle*

Designed for automated workpiece handling, the C25 combines a one-piece cast bed, a flat-bed gang-tool layout and an enclosed machine structure. The source specification lists a handling robot and conveyor belt among the standard accessories.



Tooling-area detail shown in the supplied product image.

*The 8-second figure is stated in the source document as the robot unloading cycle. The measurement start/end points and test conditions are not specified.

Machine Specifications

Values below are transcribed and translated from the supplied Chinese document. Confirm the final configuration and applicable workpiece conditions before quotation.

Category	Specification
Model	C25
Maximum bar diameter	25 mm
Maximum turning diameter	70 mm (with automatic loading/unloading)
Maximum turning length	50 mm (with automatic loading/unloading)
CNC system	Mitsubishi E80 or Huazhong CNC HNC-808 (optional)
Spindle interface	A2-4
Spindle motor rating	3.7 kW
Spindle center to X-axis slide center height	50 mm
Spindle speed	60-6,000 rpm
Axis travel	X: 240 mm; Z: 240 mm
Ball screws	X and Z axes: 2510 (designation as listed; unit not stated)
Bed and tooling layout	One-piece cast bed; flat-bed, gang-tool configuration
Machine guarding	Full enclosure with sheet-metal outer panels
Footprint (L x W)	1,495 x 1,806 mm
Overall height	1,835 mm
Machine weight	1,650 kg

Standard Accessories

Standard supply (as listed)	Optional items (as listed)
• 1 hollow rotary cylinder • 2 tool holders • 2 double-row tool holders • 3 single-row tool holders • High-capacity circulating coolant tank with settling and filtration • Coolant pump system and high-pressure pump • Basic oil-water separator • Full sheet-metal enclosure • Automatic lubrication system • Feeding unit, handling robot and conveyor belt	• Automatic bar feeder • Automatic parts catcher • Collet chuck • Pneumatic chuck • Dedicated fixture • 8-station tool turret • Coolant through spindle center

Engineering clarification before quotation

The source document does not define how the 8-second unloading cycle is measured, the workpiece setup behind the 70 mm diameter and 50 mm length figures, or whether the robot and feeder are included in every configuration. Confirm these details for the specific application. The “2510” ball-screw designation is reproduced as supplied; its meaning and unit were not stated.