

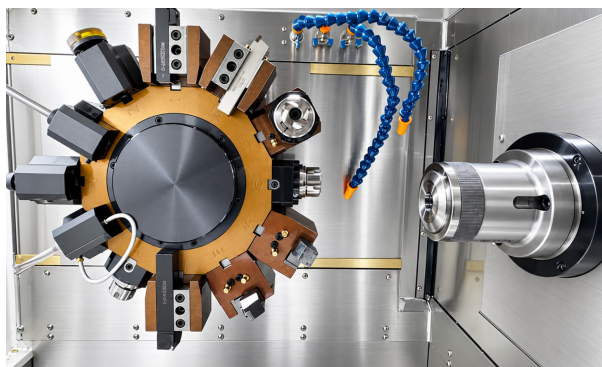
C05Y Turn-Mill Center with Automatic Loading and Unloading

A turn-mill platform configured for automated workpiece handling and multi-operation machining.



45 mm	10 kW	8 s
Maximum bar diameter	Spindle motor rating	Robot unloading cycle*

The C05Y specification describes a 12-position BMT45 live-tool turret, a 56 mm spindle through-hole and X, Y and Z axes. A handling robot is listed as standard equipment; further automation options are listed on the technical data page.



Turret and spindle area shown in the supplied product image.

*The source states an 8-second robot unloading cycle but does not define the measurement start/end points or test conditions.

Machine Specifications

The source file title says C05, while the specification table identifies the machine as C05Y. Values are translated as listed; confirm the final machine configuration before quotation.

Category	Specification
Model	C05Y (specification table; source title says C05)
Maximum bar diameter	45 mm
Maximum turning diameter	200 mm / 150 mm with automatic loading/unloading (as listed)
Maximum turning length	120 mm / 80 mm with automatic loading/unloading (as listed)
CNC system	Huazhong 808 / Mitsubishi E80 / M80 (optional configuration; exact selection to confirm)
Spindle interface	A2-5; 56 mm through-hole
Spindle motor rating	10 kW
Spindle speed	50-4,000 rpm
Live-tool turret	12 positions; BMT45
Axis travel	X: 185 mm; Y: ± 50 mm; Z: 280 mm
Ball screws	X, Y and Z axes: 3210 (designation as listed; unit not stated)
Machining accuracy grade	IT7 (as listed; feature and assessment conditions not specified)
Roundness	0.004 / $\varnothing 80$ (source notation; unit and test method not stated)
Flatness	0.003 / $\varnothing 80$ (source notation; unit and test method not stated)
Surface roughness	Ra 0.20 μm (as listed)
Positioning accuracy	X/Z axes: 0.005 mm
Repeat positioning accuracy	X/Z axes: 0.003 mm
Bed and layout	Integral cast bed; turret and spindle arranged perpendicular to each other
Machine guarding	Enclosed internal guarding with sheet-metal outer panels
Machine footprint (listed)	2,320 $\times$ 1,820 mm
Overall height	2,635 mm
Machine weight	3,300 kg

Standard Accessories and Options

Standard supply (as listed)	Optional items (as listed)
• 1 rotary hydraulic cylinder • Fixed tool holders • Coolant pump and coolant tank • Full sheet-metal enclosure • Automatic lubrication system • Loading robot	• External material magazine • Automatic chip conveyor • In-process inspection system • In-line part turning unit • Extended gantry robot • Live-tool holder

Engineering clarification before quotation

Confirm whether the automatic-mode capacities are 150 mm diameter and 80 mm length, and define the workpiece and loading conditions. The source does not define the 8-second cycle, the units/test method for roundness and flatness, or the unit represented by "3210." Positioning data is listed only for X and Z; no Y-axis accuracy is given. Confirm whether the loading robot and any listed options are included in the quoted configuration.