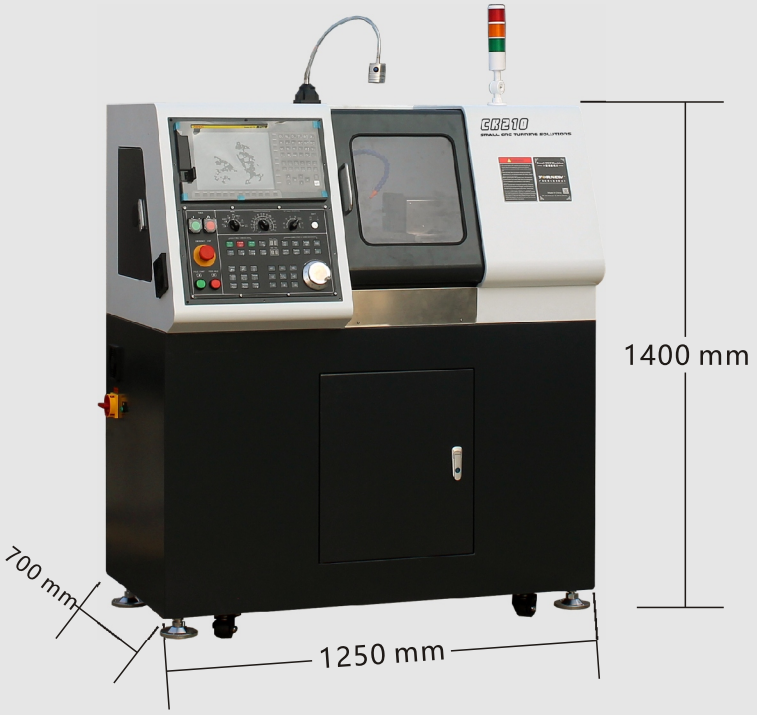
Compact CNC lathe

CK210-Fanuc



Compact CNC lathe – the most space-saving CNC machine built for educational environments. This compact small educational CNC lathe offers students an ideal entry point into CNC machining. It can deliver intricate turning operations and high-precision small-part manufacturing.

Fitted with the industry-standard FANUC Series 0i-TF Plus controller, it lets students gain hands-on experience with the same control technology used in professional workshops. Capable of machining light materials and metals, this machine bridges the gap between classroom learning and real-world manufacturing, preparing students for high-demand, high-wage careers in advanced manufacturing.

It helps students build practical skills by practicing on the same control systems widely used in industry, equipping learners with hands-on experience in modern machining and manufacturing processes to get ready for the workforce.

Whith Fanuc Series Oi-TF Plus Controller

The Fanuc Series OI-TF Plus provides the ideal solution for basic milling applications.

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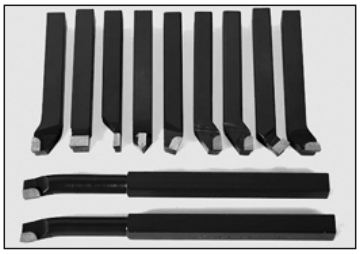
Technical parameters		
Description	Standard	Optional
Positioning accuracy	0.02mm	
Repeatability accuracy	0.03mm	
Control system	FANUC Series Oi-TF Plus	SINUMERIK 808D
Automatic tool change system(ATC)	4 Tools	8 tools
Turning diameter over bed(max)	210mm	
Chuck diameter	100mm	
Spindle speed	100-1800r/min	
Spindle through-hole	26mm	
Spindle mount	MT4	
Spindle motor power	1200W	
Work-piece cooling	Water Cooled /29L	
X axis travel	100mm	
Z axis travel	300mm	
X/Z axis motor	400W Servo Motor	
The max moving speed	8000mm/min	
The max feeding speed	4000mm/min	
Full cast iron	Full cast iron	
MPG handwheel	4 axis	
Tool dimension	12*12mm	
Tailstock taper	MT2	
Tailstock sleeve diameter	20mm	
Travel of tailstock	25mm	
Power	380VAC (3 Phase)	
Weight(NW/GW)	280/320KG	
Overall dimension	1250*700*1400mm	
Packing size	1400*860*1600mm	

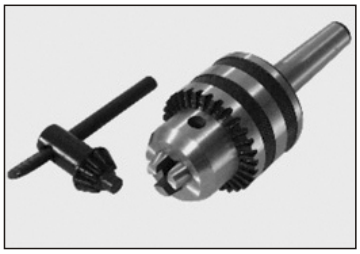
Optional Accessories

Cutter set
(tips replacement)12×12mm



Cutter 11 pieces set

Rolling center



Tailstock chuck

4-jaw chuck
(independent)with flange

ER40 collet chucK with flange
Clamping range dia:2-30mm