



Vertical drill/tap center TCR 500 CNC

Compact high speed drilling and milling center with speeds of
48 m/min (1890"/min) (X/Y-axis) and 60 m/min (2360"/min) (Z-axis)



Fanuc Oi-MD (left) and optional Mitsubishi CNC control (right)

This machine is a real all-rounder with a compact and solid cast construction design in combination with high acceleration and ease of application.

- Ideal for drilling, tapping and light to medium milling work
- High precision is supplemented through the use of roller bearings in the linear guides ensuring smooth running and stability even at high speeds
- Short tool change time of 1.6 seconds, and high axis accelerations of up to 1.5 G are the basis for efficient volume production
- The spindle blow out device during tool change contributes significantly to the process safety

Optional configuration

- 4th axis
- Faster spindle motor, 15,000 rpm
- Tool and workpiece measurement

Standard configuration

- ✓ Mitsubishi M70 control
- ✓ BT30 spindle, 12,000 rpm
- ✓ Spindle air gun
- ✓ ATC 14 tools
- ✓ Rigid Tapping
- ✓ Chip conveyor
- ✓ Spindle oil cooling
- ✓ Automatic lubrication
- ✓ Three-color warning light
- ✓ Leveling pads
- ✓ Work light

Specifications		TCR 500 CNC	
		20" X-travel	
CNC control		Mitsubishi M70	
Table dimensions (W/L)	mm	650x400 (26x16")	
Max. table load	kg	300 (660 lbs)	
T-slots	mm	3x14x125 (0.1x0.5x5")	
Axis travel	X	mm	510 (20")
	Y	mm	406 (16")
	Z	mm	330 (13")
Rapid traverse – X/Y/Z axis	m/min	48/48/60 (1890/1890/2360"/min)	
Cutting feed rate	m/min	1–12 (39–472"/min)	
Speed	rpm	12,000	
Taper		BT 30	
Spindle-table distance	mm	170–500 (7–20")	
Spindle-column distance	mm	460 (18")	
Number of tools	#	14 (servo)	
Max. tool diameter	mm	Ø80 (Ø3")	
Max. tool length	mm	200 (8")	
Max. tool weight (full)	kg	25 (55 lbs)	
Max. tool weight (single)	kg	3 (7 lbs)	
Tool change time (T-T)	sec	1.6	
Tool change time (C-C)	sec	2.5	
Main spindle motor	kW	2.2/3.7 (3/5 Hp)	
Main drive motor	X	kW	1.5 (2 Hp)
	Y	kW	1.5 (2 Hp)
	Z	kW	3 (4 Hp)
Dimensions (L/W/H)	mm	1600x2150x2320 (63x85x91")	
Weight	kg	2600 (5,730 lbs)	
Item No.		2130005-3	

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.