



# 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.		<b>2130005-3</b>

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