



# Tapping Center TCR 510 • 510B



## Standard configuration

- ✓ Rigid tapping
- ✓ RS-232 Port
- ✓ Automatic power off
- ✓ Automatic lubrication
- ✓ Tool cylinder
- ✓ Air valve
- ✓ Coolant system
- ✓ 3-axis way cover
- ✓ Work light
- ✓ Three-color warning light
- ✓ Heat exchanger for electric cabinet
- ✓ Full guarding
- ✓ Leveling pads and bolts
- ✓ Tool kit
- ✓ Operation manual

## Optional configuration

- Faster spindle motor, 24,000 rpm
- Coolant through spindle, 70 bar (1,000 psi)
- ATC 32 tools
- Chip conveyor
- Tool and workpiece measurement
- 4th axis

Specifications			TCR 510	TCR 510B
			20" X-travel	20" X-travel
TRAVELS	Axis travel: X/Y/Z	mm	510/406/303 (20/16/12")	
	Spindle-table distance	mm	170-500 (7-19.7")	
	Spindle-column distance	mm	460 (18")	
TABLE	Table dimensions (W/L)	mm	650x400 (25.6x15.7")	
	T slot: Size/Qty/Dist.	mm	3x14x125 (0.12x0.55x4.9")	
	Max. table load	kg	300 (660 lbs)	
SPINDLE	Speed	rpm	12,000 [opt. 20,000/24,000]	24,000
	Spindle taper		BT 30	
	Transmission		Direct Type	Built-in Type
FEED RATE	Rapid feed rate: X/Y/Z	m/min	48/48/60 (1890/1890/2360"/min)	
	Cutting feed rate	m/min	1-12 (39.4-472")	
ATC	Number of tools	#	14 Tools (Servo)	20 Tools
	Max. tool diameter	mm	Ø80 (3.15")	
	Max. tool length	mm	200 (7.8")	
	Max. tool weight (full)	kg	25 (55 lbs)	
	Max. tool weight (single)	kg	3 (6.6 lbs)	
	Tool change time (T-T)	sec	1.6	1.0
	Tool change time (C-C)	sec	2.5	
CONTROL	CNC controller		Mitsubishi M70	
	Main spindle motor	kW	2.2/3.7 (5 Hp)	4.6 (6 Hp)
	Rapid traverse motor	kW	1.5/1.5/3 (2/2/4 Hp) (with brake)	
DIMENSIONS	Dimensions (L/W/H)	mm	1600x2150x2320 (63x85x91")	
	Weight	kg	2600 (5,720 lbs)	
Item No.			2910025	2910026

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