

**D 2504****MODEL** *Double Column***FEATURE**

- » 22 / 26 HP spindle motor
- » BT50 spindle taper
- » 4,500 rpm spindle speed

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- Fanuc control system
- 22 / 26 HP spindle motor, BT50 spindle taper
- 4,500 rpm spindle speed with spindle oil cooler
- Hardened & ground with Turcite-B coating on Z axis guide way
- Roller linear guide way, 3 ways on X and 2 ways on Y
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30 Meehanite casting main frame with annealed & stress relieved for long term reliability
- 100% laser tested for positioning accuracy & repeatability
- Telescopic steel way covers on all three axes
- Coolant system and air blast system & tool box & tools
- Central lubrication system
- Built-in Quartz work light
- 90 degree angle slide milling head (opt)
- Rigid tapping (opt)

<b>Travel</b>	
X axis travel	157"
Y axis travel	102"
Z axis travel	39 (opt 49"/59")"
<b>Table</b>	
Table area	86"x157"
T-Slot (no.-size x pitch)	11-0.8"x7.8"
No. of linear ways / slide blocks	2 / 8
Max. table load	24000 lbs
<b>Distance</b>	
Distance between columns	106"
Distance from spindle end to table	7.8"-47" (opt 7.8"-57" / 7.8"-67")
<b>Spindle</b>	
Spindle nose taper / tool	7 / 24 / NO.50, BT-50

Spindle speed	60-4500rpm (opt 6000)
Spindle type	Gear head 4500rpm Ø3.9" - 6000rpm Ø3.5
Spindle motor (30 min. rating./ cont.)	22 / 26 HP
<b>Feed</b>	
3 axes servo motors X/Y/Z	7 kW
X axis rapid traverse	472 ipm Direct drive
Y axis rapid traverse	472 ipm Belt drive
Z axis rapid traverse	393 ipm Belt drive
Cutting feedrate	393 ipm
Min. input unit	3.93x10 <sup>-5</sup> ipm
<b>Automatic Tool Changer (OPT)</b>	
Tool magazine capacity	32 / 40 / 60
Tool change time	8 seconds arm type
Max. tool dia. / empty adj. tool	Ø4.9"/ Ø8.2"
Max. tool length	13.7"
Max. tool weight	39 / 44 lbs
<b>Accuracy</b>	
Positioning accuracy	IS B6201: 0.01 mm / 300 mm
	VDI3441: P0.025 mm
Repeat accuracy	± 0.003 VD13441:Ps0.015 mm
Circular accuracy	0.02 mm / Ø300 (X, Y surface)
<b>Installation requirements</b>	
Connected electricity	60 KVA
Weight	102000 lbs

<b>Standard Accessories</b>	
01. Fanuc control system	12. Halogen work light
02. Force auto lubrication system	13. Automatic power off device
03. Semi-enclosed splash guard	14. Program finished warning lamp
04. Ship augers at both sides	15. RS-232 interface
05. Crawler chip conveyor with chip bucket	16. Leveling bolts and blocks
06. Coolant pump and tank	17. Service tool
07. Spindle oil cooler	18. Operation and maintenance manual
08. Nitrogen gas counter balancing system	19. Controller operation manual
09. Z axis hydraulic counter balancing system	20. electric circuit drawing
10. Air system	21. Machine accuracy inspection report
11. Air gun for removing chips	

<b>Optional Accessories</b>	
01. Auxiliary tool stand	07. Universal milling head
02. NC rotary table	08. 45 degree angular milling head
03. Automatic tool setting device	09. Chain type magazine
04. Computerized scanning imitative system	10. Oil water separating tank
05. Linear scale feedback	11. Coolant through spindle
06. 90 degree slide milling head	