

# CLEVELAND

## Double Column Machining Center Model: D1402

- Fanuc control system Oi-MB
- 20 HP spindle motor, BT50 spindle taper
- ATC 24 tools
- 4,500 rpm spindle speed with spindle oil cooler
- Hardened & ground box way
- 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
- Extend head
- Coolant system and air blast system & tool box & tools
- Central lubrication system
- Built-in Quartz work light
- 90° angle milling head (manual) (opt)
- Rigid tapping (opt)



### Specification

Table: .....	47.4" x 84.7"
X travel: .....	88"
Y travel: .....	55"
Z travel: .....	32"
Spindle nose to table top (D): .....	8.3" to 40.6"
Load capacity: .....	14,300 lbs
Spindle taper: .....	BT50
Spindle speed : .....	4,500 rpm
Transmission of spindle & motor: .....	Belts
Distance between columns: .....	55"
T-Slot: .....	6*0.86"*7"

### Feed Rate

Rapid feed rate: .....	X/Y/Z: 590 ipm
Cutting feed rate: .....	393 ipm

### Motor

Spindle motor (cont. /30 min): .....	20 HP / 24.8 HP
Power requirement: .....	80 KVA, 3 Phase 208V to 230V (Max)

### Automatic Tool Changer (OPT)

No. of tools: .....	24 Max.
Tool diameter: .....	4.1" / 8.6" Max.
Tool length: .....	13.7" Max.
Tool weight: .....	33 lbs

### Weight

Net weight: .....	39,600 lbs
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### Standard Accessories

High pressure automatic lubrication system	Fully enclosed guarding	Air count balance
Chain type chip conveyor and chip tray	Coolant pump and water tank	Spindle coolant system
Z-axis oil pressure balance system	Air blasting	Working lamp and Operation light
Automatic power off system	Electrical hand wheel	Precision inspect chart
RS-232 connector	Leveling screws and pads	Tool box, electric circuit diagram and manual

### Additional Accessories Information

Power requirement: ..... 80 KVA 3 phase 208V to 230V (Max)

Air requirement: ..... 90 - 100 psi

Type of oil for way oil / oil chiller/ pneumatic oil: ..... Mobil Vectra #2/ Shell Tellus 32/ Air tool oil

### Terms & Conditions:

**F.O.B.:** CALIFORNIA

**Delivery:** Please contact us for availability

**Standard Terms Of Payment:** 30% Deposit with order, 60% before machine is shipped from the factory and the 10% balance due on delivery.

**Taxes:** Federal, State, Local Taxes are the responsibility of Purchaser.

**Warranty:** One-year limited warranty for any defects in material or workmanship of machine tool and factory installed components plus Fanuc 2 year parts and labor warranty.

**\*\* WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE \*\***

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