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
**Standard Accessories**

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