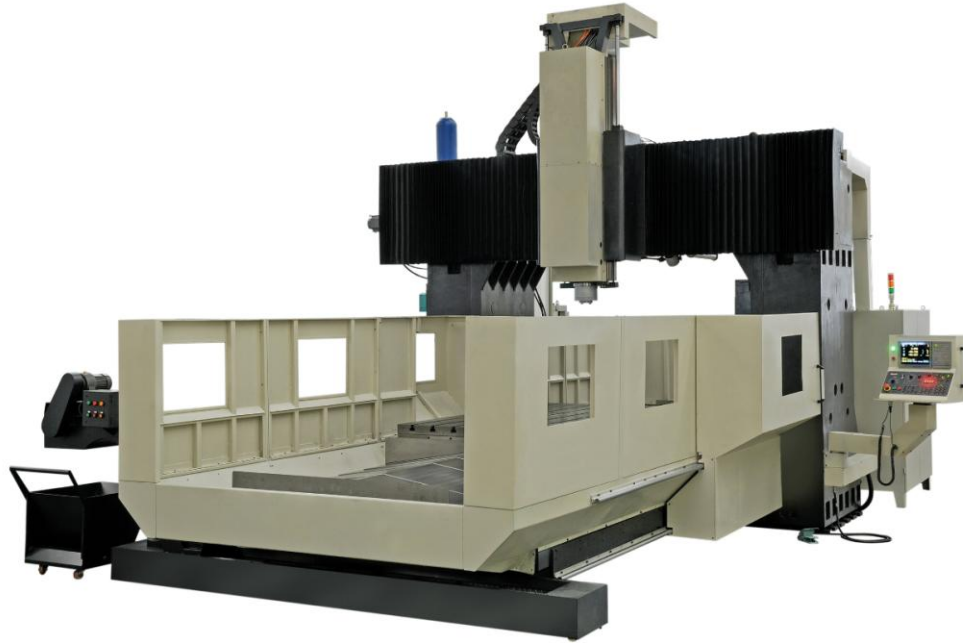


CLEVELAND

Double Column Machining Center MODEL: D2202



MACHINE FEATURES

- **FANUC CONTROL SYSTEM 21i-MB**
- **22HP Spindle Motor, BT50 Spindle Taper**
- **ATC 30 / 40 pcs (opt.)**
- **4,500 rpm spindle speed with spindle oil cooler**
- Roller linier guide 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.)

SPECIFICATIONS:

| | |
|---|------------------------------|
| Table: | 70" x 78.7" (1800 x 2000 mm) |
| Longitudinal travel (X-axis): | 86" (2200 mm) |
| Cross travel: | 86" (2200 mm) |
| Vertical travel: | 39" (1000 mm) |
| Spindle nose to table top (D): | 10"-49.2" (250-1,250 mm) |
| Load capacity: | 11,000 lbs (5000 Kgs) |
| Spindle taper: | BT50 |
| Spindle Speed (r. p.m.): | 60-4500 rpm |
| Transmission of spindle & motor: | Belts |
| Spindle center to column front surface: | |

Distant between columns:
T-Slot:

86" (2200mm)
9*0.86"*7" (9~22*180mm)

Feed Rate:

Rapid feed rate:
Cutting feed rate:

X/Y/Z: 472 ipm
1-393 ipm

Motor:

Spindle motor/max torque:
Feed motors on XYZ:
Coolant pump
Lubrication pump:
Power requirement:

22/ 18.5KW/30 min / continued
7/6/7 KW

50 KVA, 3 Phase 208-230 voltage

Automatic Tool Changer[Option]

No. of tools:
Max. tool diameter:
Max. tool length:
Max. tool weight:

32/40
4.9" (125 mm)
13.7"(350mm)
39 lb (18 Kg)

Length X Width X Height (LXWXH):
Net Weight:

77,185 lbs. (35000 Kgs)

STANDARD ACCESSORIES:

| | | |
|--|-----------------------------|---|
| High pressure automatic lubrication system | Fully enclosed guarding | Screw type chip conveyor (on both side) |
| 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 208-230 voltage |
| Air requirement | 90 - 100 psi |
| Type of oil for Way oil / oil chiller / pneumatic oil | Mobil Vactra #2 / Shell Tellus 32 / Air tool oil |
| Coolant capacity | |

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

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