Cleveland Double Column Machining Center  MODEL: D2204

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 liner 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.)

Specification:
- Table: 70” x 157” (1800 x 4000 mm)
- Longitudinal travel (X-axis): 165” (4200 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: 30,800 lbs (14000 Kgs)
- Spindle taper: BT50
- Spindle Speed (r. p.m.): 60-4500 rpm
- Transmission of spindle & motor: Belts
- Spindle center to column front surface: 86” (2200mm)
- Distant between columns: 9*0.86”*7” (9~22*180mm)

Feed Rate:
Rapid feed rate: X/Y/Z: 472 ipm
Cutting feed rate: 1-393 ipm

Motor:
Spindle motor/max torque: 22/ 18.5KW/30 min / continued
Feed motors on XYZ: 7/6/7 KW
Coolant pump
Lubrication pump:
Power requirement: 50 KVA, 3 Phase 208-230 voltage

Automatic Tool Changer [Option]
No. of tools: 30/40
Max. tool diameter: 4.9” (125 mm)
Max. tool length: 13.7”(350mm)
Max. tool weight: 39 lb (18 Kg)

Length X Width X Height (LXWXH):
Net Weight: 103,485 lbs. (47000 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 **