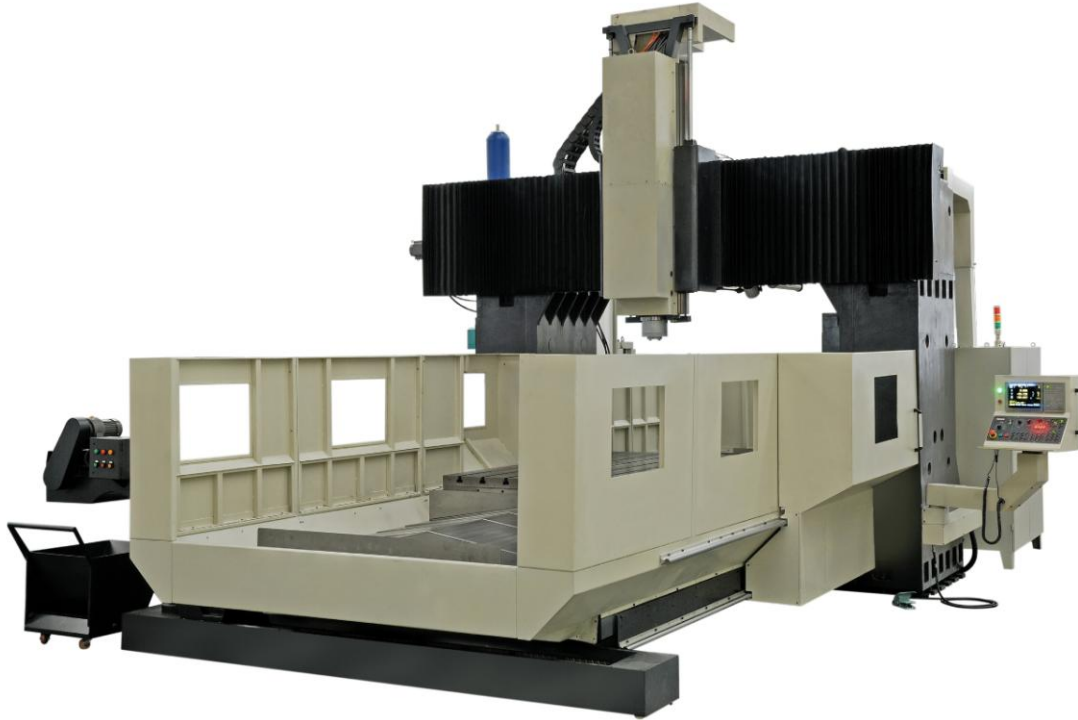


CLEVELAND

Double Column Machining Center MODEL: D1210



MACHINE FEATURES

- FANUC CONTROL SYSTEM 21i-MB
- 22HP Spindle Motor, BT50 Spindle Taper
- ATC 32 / 40 pcs (opt.)
- 4,500 rpm spindle speed with spindle oil cooler
- Hardened & Ground with Turcite-B coating 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
- 4 Box ways design on Y axis to provide maximum rigidity & stability
- 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:

Longitudinal travel (X-axis):

Cross travel:

Vertical travel:

Spindle nose to table top (D):

Load capacity:

90" x 118" (2300 x 3000 mm)

118" (3000 mm)

98" (2500 mm)

39" (1000 mm)

9.0"-48.4" (230-1,230 mm)

33,000 lbs (15000 Kgs)

Spindle taper:	BT50
Spindle Speed (r. p.m.):	4500 rpm
Transmission of spindle & motor:	Belts
Spindle center to column front surface:	106" (2700mm)
Distant between columns:	0.43"~1.1"*7.87" (11~28*200mm)
T-Slot:	

Feed Rate:

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

Motor:

Spindle motor/max torque:	22HP, 18.5KW/100NM
Feed motors on XYZ:	5 KW
Coolant pump	
Lubrication pump:	
Power requirement:	50 KVA, 3 Phase 208-230 voltage
Automatic Tool Changer [Option]	
No. of tools:	32/40
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: **88,185 lbs. (40000 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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