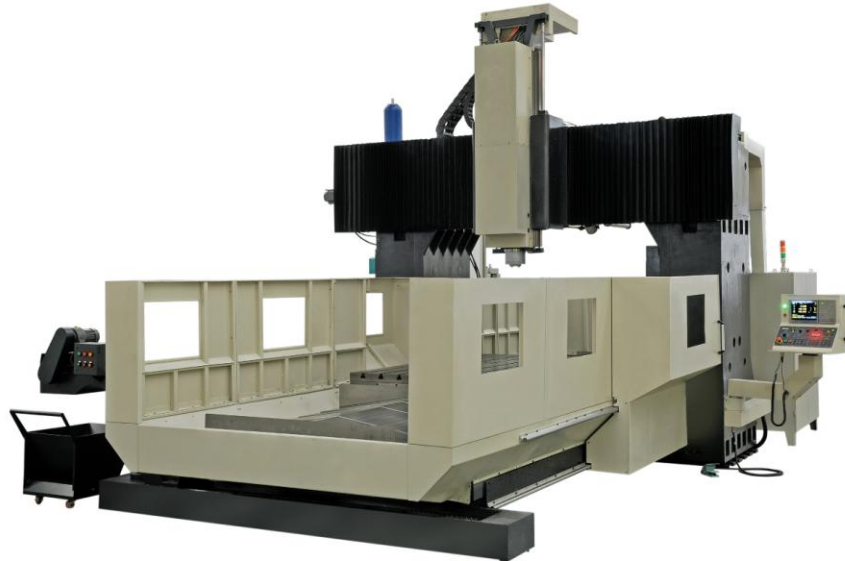


CLEVELAND

Double Column Machining Center MODEL: D2505



MACHINE FEATURES

- **FANUC CONTROL SYSTEM 21i-MB**
- **30HP Spindle Motor, BT50 Spindle Taper**
- **Standard 30T chain type tool changer**
- **60-4,500 rpm gear box spindle speed with spindle oil cooler**
- Hardened & Ground with Turcite-B coating on Z axis guide way
- Roller Linier guide way , 3 ways on x and 2 ways on y axes
- 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
- X axis with Fagor scale feed back
- 100% Laser tested for positioning accuracy & repeatability
- Telescopic steel way covers on all three axes
- 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:	90" x 197" (2300 x 5000 mm)
Longitudinal travel (X-axis):	197" (5000 mm) with scale feed back
Cross travel:	98" (2500 mm)
Vertical travel:	39" (1000 mm)
Spindle nose to table top (D):	10"-49.6" (260-1,260 mm)
Load capacity:	48,500 lbs (22000 Kgs)
Spindle taper:	BT50
Spindle Speed (r. p.m.):	60 to 4500 rpm
Transmission of spindle & motor:	gear box
Spindle center to column front surface:	
Distant between columns:	106" (2700mm)
T-Slot:	11~1.1"*7.87" (11~28*200mm)

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:

30HP/22KW/100NM
9/6/7 KW

60 KVA, 3 Phase 208-230 voltage

Automatic Tool Changer

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

30
4.9" (125 mm)/ 8,2"(210mm)
13.7"(350mm)
42 lb (20 Kg)

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

127,600 lbs. (58000 Kgs)

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 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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