

CLEVELAND

Machining Center MODEL: LH-117



MACHINE FEATURES

- **Centroid M400 control with 15" LCD**
- **24 tools Swing Arm ATC**
- **25HP Spindle Motor, BT50 or CAT50 Spindle Taper**
- **4,500 rpm spindle speed**
- Heavy duty 3 axes linear guide way
- Built in 550 rotary table
- 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
- Anti-flex Reinforced base & column to provide maximum rigidity & stability
- Telescopic steel way covers on all three axes
- Tool box & Tools
- Coolant System and air blast system
- Central lubrication system
- Built-in Quartz work light
- Rigid tapping(opt.)

Specification:

Table:	27.6" x 49.6" (700 x 1260mm)
Longitudinal travel (X-axis):	43.3" (1100mm)
Cross travel Z:	35.4" (900mm)
Vertical travel Y:	27.6" (700mm)
Spindle nose to table top (D):	4.6"-32.3" (120-820mm)
Load capacity:	1320 lb (600 Kg)
Spindle taper:	BT50 or CAT50
Spindle Speed (r. p.m.):	4500 rpm
Transmission of spindle & motor:	Belts
Spindle nose to table center:	7.8"-43.3" (200-1100 mm)

Feed Rate:

Rapid feed rate:	X/Z: 700 ipm; Y: 400 ipm
Cutting feed rate:	1-360 ipm

Motor:

Spindle motor/max torque: 25HP, 20KW
 Feed motors on XYZ: 2/3 KW
 Coolant pump: 0.6Hp
 Lubrication pump: 150W
 Power requirement: 40 KVA, 3 Phase 208-230 voltage

Automatic Tool Changer

No. of tools: 24 Armtypes
 Max. tool diameter: 3.5" (90 mm)
 Max. tool weight: 30 lb (15 Kg)
 Length X Width X Height (LXWXH): 116" x 135" x 112"
 (2950mm x 3450mm x 2850mm)
 Net Weight: 14,080 lbs. (6400 Kgs)

STANDARD ACCESSORIES:

Tools & box	Half Guarding	Shop floor programming/Conversational
Leveling bolts & plate	USB 2.0 Port	Auto Lubrication / coolant system
RS-232	Auto lube system	Halogen work light
Operation manual	Air blast, coolant flush gun	1 GB solid state hard drive

Additional Accessories information:

Power requirement	32 KVA 3 phase 208 V/230 V max
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	36 Gallons

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