

CLEVELAND

Machining Center MODEL: LH-87



MACHINE FEATURES

- **Fanuc OI-MD control**
- **24 tools Swing Arm ATC**
- **25HP Spindle Motor, BT40 or CAT40 Spindle Taper**
- **6,000 rpm spindle speed**
- Heavy duty 3 axes linear guide way
- Built in Hit 500 rotary table with 1 degree indexing
- 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:	19.6" x 36.1" (500 x 930mm)
Longitudinal travel (X-axis):	33.8" (860mm)
Cross travel Z:	24.6" (625mm)
Vertical travel Y:	28.3" (720mm)
Spindle nose to table top (D):	4"-32.3" (100-820mm)
Load capacity:	880 lb (400 Kg)
Spindle taper:	BT40 or CAT40
Spindle Speed (r. p.m.):	6000 rpm
Transmission of spindle & motor:	Belts
Spindle nose to table center:	6.2"-30.9" (160-785 mm)

Feed Rate:

Rapid feed rate:	X/Z: 960 ipm; Y: 800 ipm
Cutting feed rate:	1-400 ipm

Motor:

Spindle motor/max torque: 20HP, 17KW
 Feed motors on XYZ: 2/3 KW
 Coolant pump: 0.6Hp
 Lubrication pump: 150W
 Power requirement: 32 KVA, 3 Phase 208-230 voltage

Automatic Tool Changer

No. of tools: 24 Armtype
 Max. tool diameter: 3.14" (80 mm)
 Max. tool weight: 15 lb (7 Kg)
 Length X Width X Height (LXWXH): 100" x 113" x 108"
 (2560mm x 2880mm x 2760mm)
 Net Weight: 14,520 lbs. (6600 Kgs)

STANDARD ACCESSORIES:

Tools & box	Full Guarding	Shop floor programming/Conversational
Leveling bolts & plate	MPG hand wheel	Auto Lubrication / coolant system
RS-232	Auto lube system	Halogen work light
Operation manual	Air blast, coolant flush gun	Chip auger
Fanuc Oi-MD	Rs-232 interface	Build in 4 axes 20" rotary table

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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CLEVELAND MACHINERY SALES INC.

5000 BROOKPARK ROAD
CLEVELAND, OHIO 44134
WEBSITE: www.clevelandmachinery.com

PHONE: 216-741-8900
FAX: 216-741-8995
EMAIL: sales@clevelandmachinery.com