

CLEVELAND

Horizontal Machining Center Model: LH-117

- **Fanuc 0i-MD with 10.4" LCD**
- **24 tools swing arm ATC**
- **25HP spindle motor, BT50 spindle taper**
- **4,500 rpm spindle speed**
- Heavy duty 3 axes direct drive & linear guide way
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30Meehanitecasting 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
- Coolant system and air blast system
- Central lubrication system
- Built-in Quartz work light



Specification

Table:	27.6" x 49.6" (700x1260mm)
Longitudinal travel:	43.3" (1100 mm)
Cross travel Z:	35.4" (900 mm)
Vertical travel Y:	27.6" (700 mm)
Spindle nose to table top (D):	4.6" to 32.3" (120-820 mm)
Load capacity:	1320lbs (600kgs)
Spindle taper:	BT50 or CAT50
Spindle speed:	4500 rpm
Transmission of spindle & motor:	Belts
Spindle nose to table center:	7.8" to 43.3" (200-1100 mm)

Feed Rate

Rapid feed rate:	X/Z: 700ipm AC, Y: 400 ipm
Cutting feed rate:	1 to 360ipm

Motor

Spindle motor:	25HP / 20 kW
Feed motors on XYZ:	3 kW
Coolant pump:	0.6 Hp
Lubrication pump:	150W
Power requirement:	40 KVA, 3 Phase 208V to 230V (Max)

Automatic Tool Changer

No. of tools:	24 Arm type
Max tool diameter:	3.5" (90mm)
Max tool weight:	30 lbs (15 kgs)

Dimension & Weight

Length x Width x Height:	116" x 135" x 112" (2950x3450x2850mm)
Net weight:	14,080lbs (6400kgs)

Standard Accessories

Bolster (unclamp) cylinder	Air gun & spindle air blast	Coolant system
Auto lube system	Alarm light	Work light
Spindle chiller	Full enclosure	Arm type 24 tool ATC
Leveling bolts & pads	Telescoping way cover	Adjusting tools & box
Chain type chip conveyer	700x700mm index table (1degree)	Fanuc AICC II function

Optional Machine Accessories

Coolant through spindle/20 bar pump:
High voltage transformer:
Heidenhain linear scale on X,Y,Z:
Oil skimmer:
Conditioner for cabinet:

Additional Accessories Information

Power requirement: 32 KVA 3 phase 208V to 230V (Max)
Air requirement: 90 - 100 psi
Type of oil for way oil / oil chiller / pneumatic oil: Mobil Vectra #2/ Shell Tellus 32/ Air tool oil
Coolant capacity: 36 Gallons

** WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE **

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