YASDA | H-40 | 2002 | FANUC 16i

HORIZONTAL MACHINING CENTRE



MAKE	MODEL	YEAR	CONTROLLER
YASDA	H40-8PLS-120T	2002	FANUC 16i-M

KEY HIGHLIGHTS

400 x 400 mm Table Size	**650 x 560 x 560 mm** Axis Travel (X / Y / Z)	**12,000 RPM** Spindle Speed
400 kg Max. Load Capacity	**8 pallets** Double-Deck Pallet Stand	**120 tools** Automatic Tool Changer

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TECHNICAL DATA

Model H40-8PLS-120T

AXIS TRAVEL	
Travel ranges X / Y / Z	**650 x 560 x 560 mm**
Table surface to spindle face	90 - 650 mm
Table centre to spindle nose	150 - 710 mm

NC ROTARY TABLE (B AXIS)	
Table working surface	400 x 400 mm
Max. loading capacity	**400 kg**
Table surface	24 - M16 tapped holes
Min. indexing angle	**0.001 deg**
Max. swing diameter	Ø 600 mm

SPINDLE	
Spindle speed range	**120 - 12,000 rpm**
Spindle drive motor	**AC 22 kW (15 min. rating)**
Spindle nose taper	7/24 taper No. 40 (Big Plus)
Spindle bearing inner diameter	Ø 70 mm
Type of pull stud	MAS403 P40T-1

FEED RATE	
Rapid traverse X / Y / Z	**40,000 mm/min**
Feed rate	Max. 20,000 mm/min
Jog feed rate	Max. 5,000 mm/min
Table indexing rate	Max. 20 rpm

AUTOMATIC TOOL CHANGER (ATC)	
Tool storage capacity	**120 tools / 120-tool magazine**
Tool shank	MAS BT40
Max. tool diameter	Ø 100 mm
Max. tool length	300 mm
Max. tool weight	7 kg

8 PRELOAD STAND (8 PLS) - DOUBLE DECK	
Number of pallets	**8 pallets**
Pallet chucking mechanism	Curvic coupling
Pallet changing system	Direct turn system
Pallet working surface	400 x 400 mm

GENERAL SPECIFICATION	
Total electric power requirement	Max. 47 kVA
Required power supply	AC 200 V, 50 / 60 Hz
Machine weight with ATC, APC	**10,000 kg**
Required pneumatic supply	0.5 - 0.8 MPa, 600 NL/min
Coolant system	4 flood nozzles and shower coolant, 500 L tank
Optical scale feedback X, Y, Z & B	**Heidenhain optical scale**
Hydraulic unit	12 L/min discharge (7 MPa)
Guideway auto lubrication	Tank capacity 1.0 L
Spindle head cooling	4,300 kcal/h (50 Hz)
Spindle bearing oil mist lubrication	Tank capacity 1.0 L

Bold values = headline specifications.

MACHINE PHOTOS

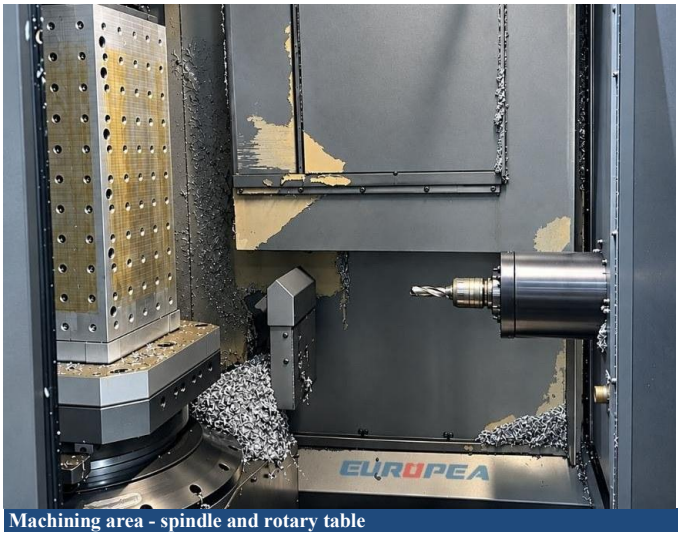
Actual photographs of the machine



Machine exterior - front view



Rear view - hydraulic and cooling units



Machining area - spindle and rotary table



Pallet / B-axis table with fixture



FANUC Series 16i-M control panel



Electrical cabinet and transformer