

FH 100S

Horizontal Machining Centre

with Fanuc control



STANDARD SPECIFICATION:

- 2-station pallet changer (APC)
- 2 pallets (1050 x 1050mm) with tapholes
- 40-tool magazine (BT specification)
- B-axis with 1° indexing
- Tool and pull stud MAX BT 50
- Rigid tapping
- Automatic power off
- Automatic spindle air below
- Shower coolant
- Splash gun on APC station
- Signal tower (triple)
- Chip conveyor (1x, internal)
- Spindle oil cooler
- Anchor bolts
- Parts counter
- Spindle load and speed meter
- TOYODA and FANUC documentations
- TOYODA standard paint



TECHNICAL DATA

STROKES

X-axis	mm	1600
Y-axis	mm	1400
Z-axis	mm	1150
Distance between spindle centre and pallet surface	mm	50-1450
Distance between spindle nose and table centre	mm	200-1350

TABLE

Pallet size	mm	1050 x 1050
Max. workpiece (DxH)	mm	1600 x 1550
Max. pallet load	kg	3000
Pallet type		Tapholes (M20)
Distance between tapholes	mm	80
Table positioning (B-axis)	°	1
Indexing time 90°/180°	s	5 / 7

MAIN SPINDLE

Spindle speed	1/min	35-6000
Spindle power (C / 30 min)	kW	22/30
Spindle torque (100%/25% ED)	Nm	353/420/600
Spindle Acce./Dece.	s	3 / 4,2
Spindle bearing diam. (inner)	mm	110
Tool holder	Taper	BT 50

FEED RATES AND RAPID FEED RATES

Rapid feed rate X/Y/Z	m/min	24
Cutting feed rate X/Y/Z	m/min	0,001-24
Guidway system		Hybrid slide (box)

APC

No. of stations		2
Pallet change system		Shuttle system
Pallet change time	s	36

ATC

Taper	MAS	BT 50
No. of tool pockets		40
Max. tool diameter	mm	120 / 270
Max. tool length	mm	550
Max. tool weight	kg	35
Tool change time	s	2,0
		15-25 / 25-35kg
	s	3,0 / 3,5
Tool C.T. (chip to chip)	s	7,0

AXES DRIVE

X/Y/Z-axis drive	kW	3,5
Ball screw diameter X/Z-axis	mm	63
Ball screw diameter Y-axis	mm	2 x 50

DIMENSIONS

Space requirements with coolant unit	m	7,1 x 9,11
Machine weight	kg	30.000
Power Source	kVa	69
Operating Voltage	V, Hz	400, 50
Air requirements	L/min	900
	MPa	0,4 – 0,5

PRICE: 555.000 €