



Chester Horizontal Machining Centre • H-1000L



Standard configuration:

- ✓ Spindle Rpm 6000rpm
- ✓ Spindle Oil Cooling System
- ✓ Spindle Air Seal System
- ✓ Spindle Direct Transmission
- ✓ Spindle Direct Transmission+ZF Gear
- ✓ 3-Axis Roller Linear Rail
- ✓ 3-Axis Hollow Ballscrew Cooling System
- ✓ Pallet 1° division
- ✓ Pallet M16 Fixing Holes
- ✓ Splash Ring
- ✓ Track Type Chip Conveyor System
- ✓ Chip Cart
- ✓ Indoor Chip Auger
- ✓ Mechanical Oil-coolant Separator
- ✓ Overhead Chip Wash-down System
- ✓ Dis-type Coolant Separator
- ✓ Front Door / Side Door Safety Switch
- ✓ Tool Storage Capacity 60T
- ✓ Tool Specification BBT
- ✓ Tool Specification NO.50
- ✓ M30 Automatic Power-off System
- ✓ Working Light
- ✓ Warm Light
- ✓ Electrical Cabin Heat Exchange System

Optional configuration:

- Spindle Rpm 8000rpm
- Spindle Rpm 10000rpm
- Spindle Direct Transmission
- 3-Axis Linear Scale System
- 4-Axis Encoder
- Pallet 0.001" Division
- Pallet T-slot
- Spindle Air Blow System
- Coolant Through Spindle
- CE Safety Specifications
- Safety Light Grid
- Tool Length Measuring System NC-4S
- Workpiece Measuring System RMP-60
- Tool Breakage Detection(Magazine)
- Tool Specification CAT
- Tool Specification NO.40
- Electrical Cabin Air-condition System
- Fanuc 31i
- Fanuc OiMD
- Oil Mist Collector Unit
- Rotary Window

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.





Technical Specifications

Technical Specifications		H-1000L
Travel		
Travel,X/Y/Z		2100/1235/1235mm
Spindle Center to Pallet Face		100-1335mm
Spindle Nose to Pallet Face		280-1515mm
Pallet		
Pallet Size		1000x1000mm
Maximum Workpiece		∅2000mm
Maximum Pallet Load		3500kg
Maximum Workpiece Height		1500mm
Pallet Surface Configuration		80-M20 Tapped Holes Pitch 100mm
Pallet Indexing		1°
Spindle		
Spindle Max.Speed		6000rpm
Low/Hight Gear Variation		1500rpm
Spindle Max.Torque(Standard)		660Nm
Spindle Taper		7/24 Taper No.50
Spindle Bearing Id		100mm
Spindle Transmission		ZF gear box+belt transmission
Feed Rate		
Max. X/Y/Z Rapid Speed		24000mm/min
Cutting Feed Rate		1-10000mm/min
Job Feed Rate		1260mm/min
Automatic Tool Change (ATC)		
Type of Tool Shank		ISO 50 or BBT-50
Tool Capacity		60 pc
Max.Tool Diameter(without Adjacent Tool)		125(250)mm
Max.Tool Length		600mm
Max.Tool Weight		30kg
ATC Changing Time(T to T)		8sec
Tool Selection Method		Fixed Address
Automatic Pallet Changer (APC)		
Number of Pallets		2
Pallet Changing Type		Inclined shuttle-type
Time for APC		26
Controller System		
FANUC		0i
Motor		
Spindle Motor,Power		22/26kw(29.48/34.84hp)
Spindle Motor		/
X/Y/Z/B Axis Motor		7/6/7/4kw(9.38/8.04/9.38/5.36hp)
Motor,Hydraulic System		3.7kw(4.96hp)
Motor,Coolant Pump System		1.6kw(2.14hp)
Power Supply		
Power Requirement		42kva
Capacity of Oil/Coolant Tank		
Capacity,Hydraulic System		60L
Capacity,Lubrication System		4L
Capacity,Coolant System		840L
Mechanical Specifications		
Machine Dimensions		8110x5850x4013mm
Weight		32000kg

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