



Chester Horizontal Machining Centre • H-630LB



Standard configuration:

- ✓ Spindle Rpm 6000rpm
- ✓ Spindle Oil Cooling System
- ✓ Spindle Air Seal System
- ✓ Spindle Direct Transmission
- ✓ 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 40T
- ✓ Tool Specification BBT
- ✓ Tool Specification NO.50
- ✓ M30 Automatic Power-off System
- ✓ Working Light
- ✓ Warm Light
- ✓ Electrical Cabin Heat Exchange System
- ✓ Fanuc OiMF

Optional configuration:

- 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
- Tool Length Measuring System NC-4S
- Workpiece Measuring System RMP-60
- Tool Breakage Detection (Magazine)
- Tool Specification CAT
- Electrical Cabin Air-condition System
- Fanuc 31i
- 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-630LA	H-630LB
Travel		
Travel,X/Y/Z	1000/850/950mm	1000/850/950mm
Spindle Center to Pallet Face	100-950mm	100-950mm
Spindle Nose to Pallet Face	150-1100mm	150-1100mm
Pallet		
Pallet Size	630x630mm	630x630mm
Maximum Workpiece	φ1000mm	φ1000mm
Maximum Pallet Load	1000kg	1000kg
Maximum Workpiece Height	1000mm	1000mm
Pallet Surface Configuration	24-M16 Pitch 125	24-M16 Pitch 125
Pallet Indexing	1°	1°
Spindle		
Spindle Max.Speed	10000rpm	6000rpm
Low/High Gear Variation	6000rpm	N/A
Spindle Max.Torque(Standard)	165Nm	165Nm
Spindle Taper	7/24 Taper No.40	7/24 Taper No.50
Spindle Bearing Id	70mm	100mm
Spindle Transmission	Direct Couple	Belt
Feed Rate		
Max. X/Y/Z Rapid Speed	32000mm/min	32000mm/min
Cutting Feed Rate	1-10000mm/min	1-10000mm/min
Job Feed Rate	1260mm/min	1260mm/min
Automatic Tool Change (ATC)		
Type of Tool Shank	ISO40 or BBT-40	ISO 50 or BBT-50
Tool Capacity	60 pc	40 pc
Max.Tool Diameter(without Adjacent Tool)	80mm(160mm)	120(230)mm
Max.Tool Length	450mm	450mm
Max.Tool Weight	8kg	20kg
ATC Changing Time(T to T)	5sec	5sec
Tool Selection Method	Fixed Address	Fixed Address
Automatic Pallet Changer (APC)		
Number of Pallets	2	2
Pallet Changing Type	Rotary Type	Rotary Type
Time for APC	0iMF	0iMF
Controller System		
FANUC	18i	18i
Motor		
Spindle Motor,Power	22/26kw(29.48/34.84hp)	22/26kw(29.48/34.84hp)
Spindle Motor	165Nm	165Nm
X/Y/Z/B Axis Motor	7/7/4/1.6kw(9.38/9.38/5.36/2.14hp)	7/7/4/1.6kw(9.38/9.38/5.36/2.14hp)
Motor,Hydraulic System	2.2kw(2.95hp)	2.2kw(2.95hp)
Motor,Coolant Pump System	1.6kw(2.14hp)	1.6kw(2.14hp)
Power Supply		
Power Requirement	42kva	42kva
Capacity of Oil/Coolant Tank		
Capacity,Hydraulic System	60L	60L
Capacity,Lubrication System	4L	4L
Capacity,Coolant System	800L	840L
Mechanical Specifications		
Machine Dimensions	5966x3570x3362mm	5966x3570x3362mm
Weight	23000kg	23000kg

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