



## Chester Horizontal Machining Centre • H-1250L



### 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

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## Technical Specifications

| Technical Specifications                 |  | H-1250L                          |
|------------------------------------------|--|----------------------------------|
| <b>Travel</b>                            |  |                                  |
| Travel, X/Y/Z                            |  | 2100/1235/1535mm                 |
| Spindle Center to Pallet Face            |  | 100-1335mm                       |
| Spindle Nose to Pallet Face              |  | 280-1815mm                       |
| <b>Pallet</b>                            |  |                                  |
| Pallet Size                              |  | 1250x1250mm                      |
| Maximum Workpiece                        |  | ∅2000mm                          |
| Maximum Pallet Load                      |  | 5000kg                           |
| Maximum Workpiece Height                 |  | 1500mm                           |
| Pallet Surface Configuration             |  | 80-M20 Tapped Holes Pitch 125mm  |
| Pallet Indexing                          |  | 1°                               |
| <b>Spindle</b>                           |  |                                  |
| Spindle Max.Speed                        |  | 6000rpm                          |
| Low/High 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    |
| <b>Feed Rate</b>                         |  |                                  |
| Max. X/Y/Z Rapid Speed                   |  | 24000mm/min                      |
| Cutting Feed Rate                        |  | 1-10000mm/min                    |
| Job Feed Rate                            |  | 1260mm/min                       |
| <b>Automatic Tool Change (ATC)</b>       |  |                                  |
| 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                    |
| <b>Automatic Pallet Changer (APC)</b>    |  |                                  |
| Number of Pallets                        |  | 2                                |
| Pallet Changing Type                     |  | Inclined shuttle-type            |
| Time for APC                             |  | 26                               |
| <b>Controller System</b>                 |  |                                  |
| FANUC                                    |  | 0i                               |
| <b>Motor</b>                             |  |                                  |
| 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)                    |
| <b>Power Supply</b>                      |  |                                  |
| Power Requirement                        |  | 42kva                            |
| <b>Capacity of Oil/Coolant Tank</b>      |  |                                  |
| Capacity,Hydraulic System                |  | 60L                              |
| Capacity,Lubrication System              |  | 4L                               |
| Capacity,Coolant System                  |  | 840L                             |
| <b>Mechanical Specifications</b>         |  |                                  |
| Machine Dimensions                       |  | 8410x5850x4013mm                 |
| Weight                                   |  | 35000kg                          |

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