

# NANYA CNC

Precision Engineering Solutions



- Advanced Milling Technology
- Automated Tooling Accuracy
- High Speed & Accuracy
- Precision Robotics Integration
- Real-time Monitoring
- Reliable Performance
- Global Support Network
- Sustainable Manufacturing

## HORIZONTAL MACHINE CENTER 800A / 800B SPECIFICATION

### Overview

TheHMC-630A/630B is a high-performance CNC milling machine designed for precision, durability, and efficiency. It features robust construction, advanced spindle technology, and a comprehensive set of standard and optional accessories.

### Specifications

#### Travel Range

- X-Axis Travel : 1300mm Y-Axis Travel : 1000mm Z-Axis
- Travel : 1050mm Spindle Nose to pallet : 150 - 1200mm
- Spindle Center to Pallet Surface : 90-1090mm / 0-1000mm
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#### Table

- TableSize : 800X800mm
- Workbench Number : 1(Opt.2)
- Workbench Surface Configuration : M16-160mm
- The Workbench Maximum Load : 1300-2000kg
- The Smallest Unit of Setting : 1°(Opt.0.001°)

#### Spindle

- |                             |             |           |
|-----------------------------|-------------|-----------|
| Spindle Taper : BT-50       |             |           |
| TypeOf Driving : Belt Type  | Direct Type | Gear head |
| Spindle RPM : 6000 rpm      | 8000rpm     | 6000rpm   |
| Spindle Motor type : 0IMF-β | 0IMF- α     | 0IMF-β    |

#### Feed Rates

- X/Z-AxisRapidTraverse: 24m/min
- Y-Axis Rapid Traverse: 24 m/min
- X/Y/Z Max. Cutting Feed Rate : 6m/min

#### ATC Tool Changer

- Type: Arm-Type(Tool-to-Tool) : 30 Tools ATC (4.5sec)
- Max. Tool Diameter (Adjacent with Neighbor): 200 × 350 mm
- Max. Tool Weight: 15 kg

#### Motors

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|--------------------------------------|------------------|----------------------|
| Spindle Motor : 15/18.5 kW (143.3Nm) | 22/26 kW (140Nm) | 15/18.5 kW (143.3Nm) |
| X Axis Servo Motor : 3kW(36Nm)       | 7kW(30Nm)        | 3kW(36Nm)            |
| Y Axis Servo Motor : 3kW(36Nm)BS     | 7kW(30Nm)BS      | 3kW(36Nm)BS          |
| Z Axis Servo Motor : 3kW(36Nm)       | 7kW(30Nm)        | 3kW(36Nm)            |
| B Axis Servo Motor : 2.5kW(20Nm)     | 3kW (12Nm)       | 2.5kW (20Nm)         |
| Spindle Motor type : 0IMF-β          | 0IMF- α          | 0IMF-β               |

#### Physical Dimensions & Weight

- ApproximateWeight :A: 16,500kg B:20,000kg
- FloorSpaceMeasurement:A6000x5000 x 3800mm  
B:7000 x 5000 x 3800mm

### Standard Accessories

TheHMC800A/800B comes withthefollowingstandard accessories:

- Fully-Enclosed Splash Guard Electrical
- Cabinet with Heat Exchanger Work
- Lamp + Alarm Lamp High Pressured
- Coolant & Air Gun Spindle Air Blast &
- Coolant Nozzle Rigid Tapping Auto
- Lubrication System Editable CF Card
- Function Portable Hand Wheel (MPG)
- Auto interrupt & Power Off System
- Leveling Blocks & Screws Tool & Tool
- Box Chip Flushing System Spindle
- Coolant System Screw Type Chip
- Conveyor+Cart Operation Manual
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### Optional Accessories

- FANUC0i-MF-(ALPHA PACKAGE)+AICC II
- Air Conditioner forElectrical Cabinet
- Chain type ATC-40T (40 taper)
- Chain type ATC-60T (40 taper)
- Chain type ATC-80T (40 taper)
- CTS 30 bar / 50 bar
- Heidenhain linear scales for XYZ
- Renishaw TS-27R (touch probe)
- Renishaw NC4 (laser probe)
- Renishaw OMP60 (workpiece probe)
- Transformer 30kva
- Oil Skimmer
- CE standard