

# NANYA CNC

Precision Engineering Solutions



Advanced Milling Technology

Advanced Milling Accuracy

High Speed & Accuracy

Reliable Performance

Reliable Performance

Reliable Performance

Global Support Network

Global Support Network

## HORIZONTAL MACHINE CENTER

### 800A / 800B SPECIFICATION

#### Overview

The HMC-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

#### Table

- Table Size : 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	Direct Type	Gear head
• Type Of Driving : Belt Type	8000rpm	6000rpm
• Spindle RPM : 6000 rpm	OIMF- α	OIMF- β

#### Feed Rates

- X/Z-Axis Rapid Traverse: 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

• 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 : OIMF-β	OIMF- α	OIMF- β

#### Standard Accessories

The HMC 800A / 800B comes with the following standard 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

#### Optional Accessories

- FANUC 0i-MF-(ALPHA PACKAGE)+AICC II
- Air Conditioner for Electrical 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