

# 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

## NANO-X8 CNC Machine Specifications & Accessories

### Overview

The NANO-X10 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 : 1020mm
- Y-Axis Travel : 550mm
- Z-Axis Travel : 550mm
- Spindle Nose to Table : 100 - 700mm

### Guideway System

- Three-Axis Guideway: XYZ Load Roller Linear Guideway

#### Table

- Table Size: 1200x600mm
- T-slot(number x width x pitch: 5 x 18 x100mm
- Maximum table load:900KGS

#### Spindle

- Spindle Taper: BT-40 (140 mm)
- Spindle Drive: Direct Driven (DDS)
- Spindle Speed: 12,000 rpm

### Feed Rates

- X/Y-Axis Rapid Traverse: 36m/min
- Z-Axis Rapid Traverse: 30 m/min
- X/Y/Z Max. Cutting Feed Rate: 12 m/min

### ATC Tool Changer

- Type: Arm-Type (Tool-to-Tool) :24 Tools ATC (1.8sec)
- Max. Tool Diameter (Adjacent with Neighbor): 100 × 300 mm
- Max. Tool Weight: 8 kg

### Motors

- Spindle Motor (Rate/Max) : 7.5KW/11 kw
- X.Y Axis Servo Motor : 2.0 Kw
- Z Axis Servo Motor / w Breaks : 3.0 Bs

### Machine Accuracy

- Positioning Accuracy (JIS Std.): ±0.008 mm / 300 mm
- Repeatability Accuracy (JIS Std.): ±0.003 mm

### Power & Air Requirements

- Power Required: 20 kVA (7.5/11 kW)
- Electricity: 3-Phase AC 220V ±5% / 3-Phase AC 380V 60Hz ±5%
- Air Pressure Requirement: 6–8 kg/cm²

### Physical Dimensions & Weight

- External Dimensions (L × W × H): 3300× 2300 × 2600 mm
- Gross Weight: 5700 kg (5.7 Tons)
- Ground Clearance: 2850mm

### Standard Accessories

The NANO-X8 comes with the following standard accessories:

- BT-40 Direct Driven Spindle (DDS) – 12,000 rpm
- Tool Box & Tools
- Air-Blast Throughout Spindle
- SCREW TYPE CHIP CONVEYOR +CART
- Work Lamp / Work LED Light
- TOOLS LENGHT MEASURING EQUIPMENT
- Three-Color Light
- ARM-TYPE ATC-24 TOOLS
- Auto Power Off
- HIGH PRESSURE WATER & AIR-GUN
- Auto Lubrication System
- CHIP FLUSH SYSTEM & NOBS
- Rigid Tapping & Threading System Operation
- FULL SPLASH GUARD
- Heat Exchanger for Controller Cabinet
- UBS INTERFACE
- Spindle Oil Coolant System
- SPINDLE CUTTING COOLANT RING

### Optional Accessories

- 4TH AXIS ROTARY TABLE: Ø125 / Ø170 / Ø210 / Ø255mm
- HEAVY SPINDLE MOTOR 11KW/18.5KW
- CHAIN TYPE CHIP CONVEYOR + CART : CE SAFTY DOORS SYSTEM
- SEMI-AUTO ROTARY TABLE APC SYSTEM
- HEAVY SPINDLE TROQUE MOTOR
- LCD SCREEN 15" INCH
- CE APPROVED CERTIFICATION