

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

VLT-550 SPECIFICATION

Overview

The VLT-550 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 : +300/-30mm
- Z - Axis Travel : 580mm

Spindle

- Spindle Nose : A2-8
- Spindle Bearing Diameter : φ130mm
- Spindle Speed : 50-2000 rpm

Capacity

- Chuck diameter : 12"
- Max. Swing : 650 mm
- Max. Turing Diameter : φ550 mm
- Max. Turing Length : φ550 mm
- Maximum workpiece weight : 500 kgs

Turret

- Turret Type : Horizontal
- Number of Tool : 8
- Cutter Size : φ32 ,Opt. φ50

Feed Rates

- X Axis Rapid Feed Rate : 12m/min
- Z Axis Rapid Feed Rate : 20m/min

Motors

- Spindle Motor : 15/18.5kW

- X Axis Servo Motor : 3kW

- Z Axis Servo Motor : 3kW BS

- Coolant Pump Motor : 750W

- Hydraulic Motor : 2.2kW

Machine

- Approximate Weight : 7000KG
- Floor Space Measurement : 2000*3660*3100mm
- Pneumatic Requirement : $\geq 6.5\text{Kg/cm}^2$
- Power Capacity : 28KVA)
- Power Voltage : 3 ϕ -AC 220V $\pm 5\%$
- Room Temperature : 0-38°C
- Humidity : $\leq 85\%$

Physical Dimensions & Weight

- External Dimensions (L x W x H) : 3300x2700x2800mm
- Gross Weight : 8000 KG (8.0 ton)
- Ground Clearance (height) : 3000mm

Standard Accessories

The VLT-550 comes with the following standard accessories:

- Fanuc Oi-TF Controller
- 10.4" LCD screen
- Leveling Bolts and Leveling Blocks
- Tool box & Tool
- Work lamp
- Alarm Lamp
- Auto power off
- Auto lubrication system
- Chain Type Chip Conveyor with Car
- 12" three jaw solid oil pressure chuck and rotary cylinder
- Chip flush
- Standard knife dish
- Heat exchanger for control cabinet
- Remote manual pulse generator
- 12" soft PAWS
- High and low pressure loop of collet
- Air gun
- Full splash guard
- System operation and procedures manual
- Machine manual

Optional Accessories

- Automatic Door System
- Oil Skimmer
- Air Conditioner for Electrical Cabinet
- Hard-Jaw
- Oil Mist Collector System
- ZF Gearbox
- Coolant Intercooling System
- Safety Door Switch
- Heidenhain Optical Linear Scales
- Paper Bank Filter System
- 18" three jaw solid oil pressure chuck