

# 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 :  $\phi 130$ mm
- Spindle Speed : 50-2000 rpm

### Capacity

- Chuck diameter : 12"
- Max. Swing :  $\phi 50$  mm
- Max. Turing Diameter :  $\phi 550$  mm
- Max. Turing Length :  $\phi 550$  mm
- Maximum workpiece weight : 500 kgs

### Turrent

- Turret Type : Horizontal
- Number of Tool : 8
- Cutter Size :  $\phi 32$  ,Opt.  $\phi 50$

### 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 :  $\geq 6.5$ Kg/cm<sup>2</sup>
- Power Capacity : 28KVA)
- Power Voltage : 3  $\phi$  -AC 220V  $\pm 5\%$
- Room Temperature : 0~38°C
- Humanity :  $\leq 85\%$

### 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
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### 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