

Machine Name : Vertical Machining Center

Brand : Deyung

Machine Model : CV1166

Stock No. : 69132

Ex-factory Date : 2026



Main Technical Parameters:

three-axis travel

X-axis travel: 1100mm

Y-axis travel: 620 mm

Z-axis travel: 600 mm

Working range: Distance from spindle nose to Worktable surface is 150 to 750 mm

spindle motor: Continuous / 30 minutes rated power is 11/15 kW (approximately 15/20 HP)

drive mode: strap drive

Spindle speed: 10 to 18,000 rpm

spindle taper: BT 40

Worktable (3.2

Worktable size: 1200 × 600 mm

T-slot specification: 18mm (width) × 100mm (spacing) × 5 pieces (quantity)

Maximum load: 900 kg

Axial drive (3.4

Motor configuration

X-axis motor

β iS 22/3000 (3.0 kW)

Y-axis motor

β iS 22/3000 (3.0 kW)

Z-axis motor

β iS 22B/3000 (3.0 kW)

Ball screw rod

X-axis screw rod: Ø4012 (model MSRS35LS-23 slide rail)

Y-axis screw rod: Ø4012 (model MSRS45LS-22 slide rail)

Z-axis screw rod: Ø4012 (model MSRF45S-23 slide rail)

Feed rate (3.5

Rapid Positioning speed (Rapid Traverse) :

X, Y axes: 36 m/min

Z-axis: 36 m/min

Cutting Feedrate: 1 to 10,000 mm/min

tools magazine (3.6

tools magazine type: Robotic Arm type

magazine capacity: 30 pieces
Tool holder specification: BT 40
Pull nail specification: MAS-P40
Tool specification restrictions:
Maximum Tool diameter (full tool/adjacent) : $\varnothing$ 65mm / $\varnothing$ 130mm
Maximum Tool length: 300mm
Maximum Tool weight: 8 kg
precision (3.7
Repeatability Positioning precision: 0.006mm
Positioning precision: 0.012mm
Control CNC System and Electricity (3.8)
CNC System: FANUC 0iMF
Electricity demand: 25 KVA
Power supply specification: AC 380 $\pm$ 10%, 3-phase, 60Hz (50Hz)
Other requirements
air pressure requirement: above 6 kg/cm²
Cooling water Water tank capacity: 270 liters
Machine Footage and Weight (3.9
Machine length: 2780mm
Machine width: 3240mm
Machine height: 2885mm
Net weight of machine: 6800 kg
Gross weight of machine: 7800 kg

