

Machine Name : Vertical Machining Center

Brand : Deyung

Machine Model : DV-855S

Stock No. : 469133

Ex-factory Date : 2026



Main Technical Parameters:

three-axis travel

X-axis travel: 800 mm

Y-axis travel: 500 mm

Z-axis travel: 550mm

Working range: Distance from spindle nose to Worktable surface is 125 to 675 mm

Worktable size: 1000 × 500 mm

T-slot specification: 18mm (width) × 80mm (spacing) × 5 pieces (quantity)

Maximum load: 500 kg

drive and Motors (3.3 & 3.4)

spindle motor: Continuous /30 minutes rated power of 7.5/11 kW (approximately 10/15 HP)

Spindle speed: 10 to 12,000 rpm

spindle taper: BT 40

Motor configuration

X-axis motor

β iS 12/3000 (1.8 kW)

Y-axis motor

β iS 12/3000 (1.8 kW)

Z-axis motor

β iS 22B/3000 (3.0 kW)

Ball screw rod

X-axis screw rod: Ø40 * 16(C3) (guideway model: MSR35LS-2*2)

Y-axis screw rod: Ø40 * 16(C3) (guideway model: MSR35LE-2*2)

Z-axis screw rod: Ø40 * 16(C3) (guideway model: MSR35LS-2*3)

Feed rate (3.5

Rapid Positioning speed (Rapid Traverse) :

X, Y axis: 48 m/min

Z-axis: 48 m/min

Cutting Feedrate: 1 to 10,000 mm/min

tools magazine (3.6

magazine capacity: 24 pieces

Tool holder specification: BT 40

Pull nail specification: MAS-P40

Tool specification restrictions:

Maximum Tool diameter (full tool/adjacent) : $\varnothing$ 75mm / $\varnothing$ 150mm

Maximum Tool length: 300mm

Maximum Tool weight: 8 kg

precision and CNC System (3.7 & 3.8)

Repeatability Positioning precision: $\pm 0.005\text{mm}$

Positioning precision: $\pm 0.010\text{mm}$

CNC System: FANUC 0iMF

Electricity demand: 25 KVA

Power supply specification: AC 380 $\pm$ 10%, 3-phase, 60/50 Hz

Other requirements

air pressure requirement: above 6 kg/cm²

Cooling water Water tank capacity: 220 liters

Machine Footage and Weight (3.9

Machine length: 2465mm

Machine width: 2826mm

Machine height: 2800 mm

Net weight of machine: 5200 kg

Gross weight of machine: 6200 kg

