

Machine Name : 5 Axis Machining Center

Brand : Deyung

Machine Model : UC400G

Stock No. : 69135

Ex-factory Date : 2026



Main Technical Parameters:

three-axis travel

X-axis travel: 700 mm

Y-axis travel: 620 mm

Z-axis travel: 600 mm

Working range: Distance from spindle nose to the center of Worktable is 40 to 640 mm

Worktable size: Ø 400 × 330 mm (rotary Worktable/inclined Worktable)

T-slot specification: 14mm (width) × 50mm (spacing) × 6 pieces (quantity)

Maximum load: 200 kg (horizontal state) / 150 kg (inclined state)

drive and Motors (3.3 & 3.5)

spindle motor power: 11/15 kW (continuous / 30 minutes)

Spindle speed: 10 to 12,000 rpm

spindle drive form: spindle drive form is synchronous belt drive

spindle taper: BT 40

Motor configuration

X-axis motor: β iS2/3000 (3.0kW)

Y-axis motor: β iS2/3000 (3.0kW)

Z-axis motor: β iS30B / 2000 (3.0kW)

Ball screw rod/guideway

X-axis screw rod: Ø40C3 (guideway model: MSR35LS-23)

Y-axis screw rod: Ø40C3 (guideway model: MSR45LS-22)

Z-axis screw rod: Ø40C3 (guideway model: MSR45S-23)

Feed rate (3.6

Rapid Positioning speed (Rapid Feed Rate) :

X, Y, Z axis: 36,000 mm/min (36 m/min)

Cutting Feed Rate (Fastest Cutting Feed Rate) : 1 to 10,000 mm/min

Tool changing CNC System (3.7

tools magazine type: Tool Arm type

magazine capacity: 30 pieces

Pull nail specification: MAS-P40 (45°)

Tool specification restrictions:

Maximum Tool diameter (full tool/adjacent) : Ø 75mm / Ø 150mm

Maximum Tool length: 300mm

Maximum Tool weight: 8 kg

precision and CNC System (3.8 & 3.9)

Repetitive Positioning precision: $\pm 0.006\text{mm}$

Positioning precision: $\pm 0.012\text{mm}$

Environmental requirements: The 3 axes thermal stability precision detection must be carried out in a constant temperature environment, with the ambient temperature variation not exceeding 4°C and not exceeding 2°C

CNC System: FANUC 0i-MF

hydraulic CNC Systems and Electric Power (3.10 & 3.11)

hydraulic CNC System capacity: 250 liters (front) / 270 liters (rear)

air pressure pressure requirement: 6 kg/cm^2 (13.2 lb/cm^2)

Electricity demand

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

Total power demand: 25 KVA

Machine Footage and weights (3.12 & 3.13)

Machine length: 3850mm

Machine width: 2680mm

Machine height: 3070mm

Net weight of machine: 7300 kg

Gross weight of machine: 7800 kg

