

Machine Name : 5 Axis Machining Center

Brand : Makino

Machine Model : V90S

Stock No. : 812899

Ex-factory Date : 2019



Main Technical Parameters:

CNC System: Professional 6

A-axis travel: $\pm 30^\circ$

C-axis travel: $\pm 60^\circ$

Worktable size: 2000 × 1300 mm

Three-axis travel (X/Y/Z): 2200 × 1300 × 800 mm

Maximum workpiece size: 2200 × 1500 × 700 mm

Maximum workpiece weight: 5000 kg

Spindle type: HSK-A63

Spindle speed: 20,000 rpm

Spindle torque: 37.7 / 27.6 N·m (25% duty / continuous)

Tools magazine capacity: 40

Maximum tool diameter: $\varnothing 70$ / $\varnothing 100$ mm (with adjacent pockets empty)

Maximum tool length: 300 mm

Maximum tool weight: 8 kg

Rapid traverse speed (X/Y/Z axes): 58,000 mm/min

Rapid traverse speed (A-axis): 12,600°/min

Rapid traverse speed (C-axis): 21,600°/min

Cutting feed rate (X/Y/Z axes): 40,000 mm/min

Cutting feed rate (A-axis): 14,400°/min

Cutting feed rate (C-axis): 21,600°/min

Overall dimensions (L × W × H): 5650 × 3785 × 3864 mm

Machine weight: 27,900 kg

Configuration:

5-axis full closed-loop control with glass scales

Chip conveyor

Fire extinguisher system

Constant temperature control system for cutting fluid

Oil mist collector

Oil skimmer

BLUM tool measurement system (Tool Aligner)

Workpiece cleaning spray gun

CNC workpiece inspection system



