

GU5 Five

The Gantry Moving 5-Axis Machine

RIGID
STRUCTURE

HIGH SPEED
MACHINING

THERMAL
STABILITY





GU5 Five

The Gantry Moving 5-Axis Machine

TECHNICAL SPECIFICATION

Table		GU5 Five
Rotary Table Dia.	mm	500
T-Slot Size	mm	14
Center Bore	mm	40
Admissible Load	kg	400
Distance from Spindle Nose to Table Plane	mm	100-600
Capacity		
X-Axis Travel	mm	600
Y-Axis Travel	mm	700
Z-Axis Travel	mm	500
Rotating Axis (Table)		
Swivelling (A-Axis)	Deg	± 120
Swivelling Speed	rpm	50
Rotary Table (C-Axis)	Deg	360
Rotary Speed	rpm	75
Feed (X/Y/Z Axis)		
Rapid Traverse	m/min	50
Acceleration	m/s ²	5/5/5
Spindle		
Spindle Speed Range	rpm	18000
Motor Power -Siemens (S1/S6-40%)	kW	30
Motor Torque -Siemens (S1/S6-40%)	Nm	84/110
Spindle Nose		HSK 63A
Automatic Tool Changer		
Number of Tool		40
Max. Tool Dia. Pockets (All/Adj. empty)	mm	100/110
Max.Tool Weight	Kg	10
Max.Tool Length	mm	300
Accuracy (As per VDI/DGQ 3441)		
Positioning Uncertainty (P)	mm	0.006
Repeatability (Ps medium)	mm	0.003
Coolant		
Flow - Pressure	l/min - Bar	100 / 3
Tank Capacity	Liters	250
Other Data :		
Machine Weight # (Approx.)	Kg	10000
Machine Dimension # (Approx.)		
Length	mm	3650
Width	mm	2250
Height	mm	2900

* Above accuracies are mentioned along with glass scale.

Refer Machine Detailed Layout for overall machine dimensions & space requirements.

CONTROL SYSTEM

The CNC System offered Latest Digital Controller Siemens Sinumerik One.

STANDARD FEATURES

- Direct Driven C-Axis
- Ballscrew (nut) / LM cooling for Thermal Stability
- Spindle Chiller
- AC Servo Spindle & Axis Drive
- Roller Type L.M. Guideways
- HSK 63, 18,000 rpm Electrospindle
- 40 Tool ATC Pickup Type
- Auto & Manual Coolant System
- Air gun
- Chip Conveyor
- Electrical with Quality Devices & Panel A.C.
- Ethernet Network Connectivity
- 3-Tier Tower Light
- Complete Safe Guard

PRODUCTIVITY IMPROVING OPTIONS

- 60 Tool ATC
- 20000,24000 & 28000 rpm Electrospindle
- Spindle Taper SK 40
- Turning Table option (1000rpm)
- Coolant Through Spindle
- Tool Tip Air Nozzle (For Dry Cutting)
- Coolant Gun
- Linear Glass Scale
- Tool Probe & Job Probe
- Air/Oil Mist Spray
- Coolant Gun
- Oil Skimmer
- Visiport Window
- Fully Tooled up Solutions to Meet the Customer Need