

Machine Name : TURN MILL CENTER

Brand : DMG

Machine Model : GTX Gamma 1250TC

Stock No. : 811460

Ex-factory Date : 2010



Main Technical Parameters:

CNC System: Siemens

Maximum X-axis travel: 800 mm

Maximum Y-axis travel: 420 mm

Maximum Z-axis travel: 1,300 mm (with C-axis 0.001°)

Worktable size: 1,250 × 700 mm

Maximum workpiece diameter: 700 mm

Maximum workpiece length: 1,250 mm

Maximum swing diameter: 700 mm

Main spindle model: ISM 102

Main spindle speed: 12,000 rpm

Built-in motor spindle (ISM, with C-axis 0.001°) speed: 5,000 rpm

Drive power/torque (40% DC): 45 kW / 770 Nm

Front bearing diameter: 160 mm

Draw tube inner diameter: 104 mm

Spindle nose (flat flange) max. chuck diameter: 220 h5 / 400 mm

Secondary spindle model: ISM 76

Built-in motor spindle (ISM, with C-axis 0.001°) speed: 5,000 rpm

Drive power/torque (40% DC): 36 kW / 220 Nm

Front bearing diameter: 130 mm

Draw tube inner diameter: 67 mm

Spindle nose (flat flange) max. chuck diameter: 170 h5 / 315 mm

Distance from main spindle to tailstock (without chuck): 1,177.5 mm

Distance between main and sub-spindles (without chuck): 1,510 mm

Maximum workpiece length on sub-spindle (extendable): 1,300 mm

B-axis swivel range: ±120°

B-axis rapid traverse speed: 100 rpm

B-axis drive power/torque (40% DC): 10 kW / 28 Nm

Indexing time (30°): 0.44 s

B-axis moving column structure

Turret: 12-position VDI 40 with TRIFIX

Driven tools: 12 tools / 4,000 rpm

X / Y / Z travel: 800 / ±210 / 1,300 mm

X / Y / Z rapid traverse: 50 / 50 / 50 m/min (60**)

X / Y / Z feed force: 11.5 / 12 / 18 kN (10.4**)

Tool interface: HSK-A63 / 36

Application:

Machine tool fixtures and accessories

Metal cutting tools

Hydraulic power system valve bodies and related components



