



5GLC, 5 Axis Gantry, Linear Motors, Compact

5 Axis Gantry Compact Gantry Requires no Foundation

With the new TARUS 5GLC you can have top performance and automation features with Direct Factory Support in the USA and Canada.

Function

- 3 and 5 Axis CNC Milling
- Finish and Semi Finish Milling of Steel, Iron, Kirksite Tools
- High Feed milling of Aluminum Tools and Components
- Deep-hole Drilling at Compound Angles

Performance Features

- Siemens Linear Motor Drive on X, Y and Z Axes
- INA Roller Bearing Linear Rails for Maximum Stiffness
- Liquid Cooling of Linear Motor Primary and Secondaries (Mounting Structure of Permanent Magnets)
- Heidenhain Scales

Choice of CNC

- Heidenhain TNC640
- Siemens 840D
- BLUM Probing

Optional Features

- High Pressure Coolant Through Spindle
- Mist Extractor
- Minimum Quantity Lube System
- Single Front Conveyor
- Fabric Roof with Electro-Pneumatic Connection
- Automatic Tool Changers starting at 50 Tools
- Install Above Floor without trenches or Foundation on Suitable Concrete Slab


5GLC General Specifications
Imperial
Metric

X Axis	86.5"	2200 mm
Y Axis	138"	3500 mm
Z Axis	59"	1500 mm
Maximum Under Spindle	61"	1550 mm
Opening Between Columns	171"	4343 mm
Table Size	138" x 86.5"	3500 mm by 2200 mm
Maximum Rapid	2559 i.p.m.	65 meters per minute
Maximum Acceleration Rate	.35 G	3.5 meters / second ²
Automatic Tool Changer (European Supplier)	50 Tools Standard, Larger Capacity available, quoted to Customer Request	
ATC Max Tool Length	15.74"	400 mm
ATC Max Tool Diameter	2.7" (7" with adjacent pockets vacant)	70 mm (180 mm with adjacent pockets vacant)
ATC Max Tool Weight	17.6 lb. each,	8 kg each



**5GLC-K
(Kessler Milling Head and Spindle)**

Imperial

Metric

Milling Head Fork Style Milling Head, Torque Motor Direct Drive, Hydraulic Clamping, Cartridge Spindle

A Axis Rotation +/- 105°

A Axis Position Force / Clamp Force 885 ft·lb / 2212 ft·lb 1200 Nm / 3000 Nm

C Axis Rotation +/- 210°

C Axis Position and Clamping Force 811 ft·lb / 2950 ft·lb 1100 Nm / 4000 Nm

A and C Axes Max Rotation Speed 100 rpm

Spindle HSK63A 0-18,000 RPM

Spindle Power and Torque 93 hp, 65 ft·lb (S1) , 81 ft·lb (S6) 70 kW, 89Nm (S1), 110 Nm (S6)



**5GL TC25
(Technai Milling Head and HSD Spindle)**

Imperial

Metric

Milling Head Fork Style Milling Head, Torque Motor Direct Drive, Hydraulic Clamping, Cartridge Spindle

A Axis Rotation +/- 115°

A Axis Position Force / Clamp Force 1069 ft·lb / 7744 ft·lb 1450 Nm / 10500 Nm

C Axis Rotation +/- 360°

C Axis Position and Clamping Force 1069 ft·lb / 3982 ft·lb 1450 Nm / 5400 Nm

A and C Axes Max Rotation Speed 50 rpm

Spindle HSK100A 0-13,000 RPM

Spindle Power and Torque 63 hp, 110 ft·lb (S1), 84 hp, 148 ft·lb (S6) 47 kW, 150 Nm (S1), 63 kW, 202 Nm (S6)