



TBM5 5 Axis Gantry

5 Axis Gantry with Top Specification and TARUS Durability Built in the USA!

With the new TBM5 you can have top performance and spec 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

- Direct Ball-nut Drive System for Maximum Acceleration, Stiffness, Reliability
- Massive Box Section Steel Structure for Stability
- Direct Drive Kessler Milling / Head Spindle
- Heidenhain Scales and Servo Motors

Choice of CNC

- Heidenhain TNC640
- Siemens 840D
- BLUM Probing



Optional Features

- High Pressure Coolant Through Spindle
- Mist Extractor
- Minimum Quantity Lube System
- Dual Side Conveyors or Single Front Conveyor
- Fabric Roof with Electro-Pneumatic Connection
- Automatic Tool Changers starting at 49 Tools
- Install Above Floor or in Pit




TBM5 General Specifications
Imperial
Metric

X Axis	144"	3658 mm
Y Axis	120"	3048 mm
Z Axis	46"	1168 mm

Maximum Under Spindle	50.3"	1280 mm
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Opening Between Columns	182.6"	4368 mm
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Maximum Rapid	1693 i.p.m.	43 meters per minute
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Maximum Acceleration Rate	.3 G	3 meters / second ²
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Automatic Tool Changer (European Supplier)	49 Tools Standard, Larger Capacity available, quoted to Customer Request	
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ATC Max Tool Length	15.74"	400 mm
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ATC Max Tool Diameter	7"	180 mm
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ATC Max Tool Weight	24 lb each, 1152 lb maximum capacity	12 kg each, 576 kg total
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**TBM5-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)