



Bryant TTG

Twin Turret Grinder



A high-precision flexible tool-delivery-system on a configurable multi-spindle platform for turning, grinding or polishing

- Extraordinary thermal stability
- Exceptional stiffness
- Small batch runs of diverse product lines
- Combined grinding processes
- Flexible grinding process based on requirements

Twin-turret, multi-spindle grinding

The Bryant TTG machine is a three-part solution to issues faced in the modern manufacturing process—flexible processing, flexible machine, flexible layouts. This machine allows for a highly flexible process in which multiple operations may be combined into one machining platform while maintaining or improving the accuracy and precision of a traditional single spindle machine.

The Bryant TTG is a twin-turret, multi-spindle solution to grind ODs, IDs, faces, tapers, concentric and eccentric diameters to sub-micron tolerances in a single clamping.

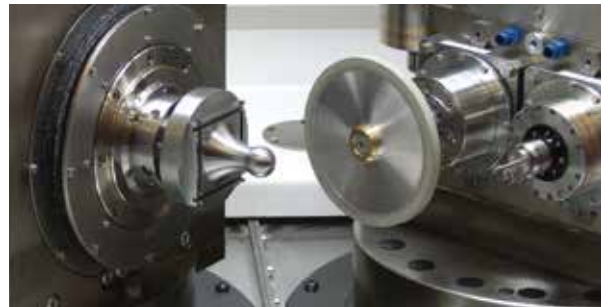
FEATURES

- High flexibility in workpiece grinding operations
- Various spindle configurations available
- Hard turning and polishing capabilities
- Reduced work piece changeover time
- Constant wheel surface speed
- Superior surface finishes
- Easy automation integration
- High performance control with open architecture

Model	Bryant TTG
Grinding capacity*	
Max. grinding diameter (OD)	350 mm (13.8")
Max. external grinding length	150 mm (5.9")
Max. internal grinding length	100 mm (3.9")
Grinding spindle turret	
Swivel range	+/- 135°
Turret bearing	Hydrostatic
Max. number of spindles	3
Wheel type	Conventional / CBN / Diamond
Max. wheel Ø	250 mm (9.8")
Wheel surface speed	120 m/sec (394 ft/sec)
Max. ID spindle speed	60,000 rpm
Wheel spindle turret	
Swivel range	+/- 135°
Turret bearing	Hydrostatic
Workhead speed	1 - 1,000 rpm (2,000 option)
Linear axes travel (infeed)	200 mm (7.9")
Linear axes bearing	Hydrostatic
Dimensions	
Machine dimensions (W X D x H)	1,800 x 1,950 x 2,400 mm (6' x 6.4' x 8')
Machine weight	3,000 kg (6,614 lb)



Grinding / polishing / hard turning and metrology



Bore, seat & face configuration

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