

GRINDING | ULTRA PRECISION

Landis TTG 3000

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 Landis 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 Landis 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.

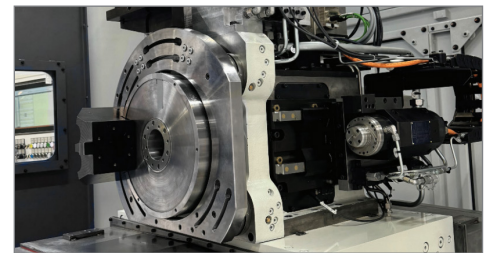
FEATURES

- 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

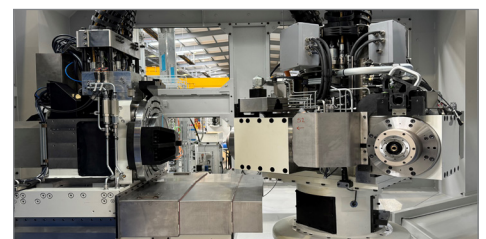
Model	Landis TTG 3000
Grinding capacity	
Max. grinding diameter (OD)	450 mm (17.7")
Max. external grinding length	170 mm (6.7")
Max. internal grinding length	170 mm (6.7")
Grinding spindle turret	
Swivel range	+/- 150°
Turret bearing	Hydrostatic
Turret motor torque	1050 Nm
Max. number of spindles	3
Wheel type	Conventional / CBN / Diamond
Max. wheel \varnothing	350 mm (9.8")
Wheel surface speed	120 m/sec (394 ft/sec)
Max. ID spindle speed	75,000 rpm
Workhead turret	
Swivel range	+/- 135°
Turret bearing	Hydrostatic
Turret motor torque	1050 Nm
Workhead speed	1 - 1,250 rpm (high speed option available)
Linear axis travel (infeed)	350 mm (13.8")
Linear axis bearing	Hydrostatic
Linear axis drive	Linear Motor
Dimensions	
Machine dimensions (W X D x H)	3,000 x 2,800 x 3,000 mm (9.8' x 9.2' x 9.8')
Machine weight	20,000 kg (44,092 lb)



Integral automation package



Headstock & face plate for tooling quick change



Bed, turrets, headstock and spindles

CONTACT US

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