



Landis LT2e

Flexible crankshaft grinding machine



For orbital grinding of crankpins and other diameters using single or twin wheelheads

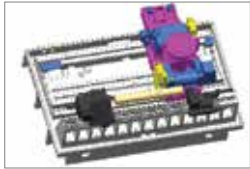
- Machine variant available for shaft lengths up to 1,500 mm
- Swiveling wheelhead options
- Dual angle approach option

The benchmark for processing concentric & non-concentric workpieces

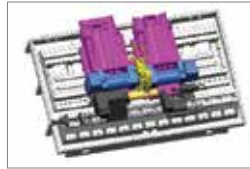
The built-in flexibility of the Landis LT2e allows the processing of a diverse range of parts within the operating envelope. It offers a customizable solution that is tailored to the exact needs of the customer and the workpiece.

FEATURES

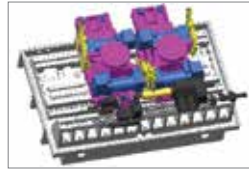
- Compact footprint
- Angle-mounted wheelhead option
- Optional swivel wheelheads for up to four spindles
- Simultaneous grinding with wheels spaced as close as 20mm
- ID attachment available for simultaneous ID/OD grinding



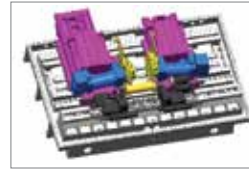
Single swivel



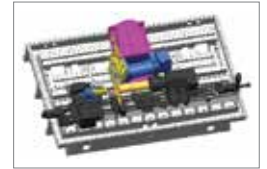
Twin standard



4 spindle



Twin opposed 5°



Flange & bore

Model*	Landis LT2e Single Swivel	Landis LT2e Twin Standard	Landis LT2e Twin Opposed 5°	Landis LT2e Flange & Bore	Landis LT2e XS 2 Spindle	Landis LT2e 4 Spindle (3 spindle option)
Grinding capacity						
Max. component swing	210 mm (8.3")	210 mm (8.3")	210 mm (170) (8.3")	210 mm (8.3")	210 mm (8.3")	210 mm (8.3")
Max. grinding length	1,500 mm (59")	750 mm (29.5")	550 mm (21.7")	750 mm (29.5")	850 mm (33.5")	750 mm (29.5")
Max. workpiece weight	250 kg (551 lb)	250 kg (551 lb)	250 kg (551 lb)	250 kg (551 lb)	250 kg (551 lb)	250 kg (551 lb)
Wheelhead						
Wheel type	CBN	CBN	CBN	CBN	CBN	CBN
Max. wheel Ø	520 mm (20.5")	520 mm (20.5")	520 mm (20.5")	520 mm (20.5")	600 mm (23.6")	520 mm (20.5")
Max. wheel width	30 mm / 40 mm / 60 mm options (1.2" x 1.6" x 2.4")		20 mm (0.8")	120 / 60 mm bore (4.7"/2.4")	30 mm / 40 mm / 60 mm options (1.2" x 1.6" x 2.4")	
Max. wheel surface speed	180 m/sec (591 ft/sec)	180 m/sec (591 ft/sec)	180 m/sec (591 ft/sec)	180 m/sec (591 ft/sec)	180 m/sec (591 ft/sec)	180 m/sec (591 ft/sec)
Max. spindle power	70 kW	70 kW	70 kW	70 kW	70 kW	70 kW
B-axis swivel range	230° infinitely	N/A	Optional	Optional	N/A	230° infinitely
Workhead & footstock						
Type	Headstock drive between centers		Dual footstock	Headstock drive centerless		
Workhead drive power	13 kW	13 kW	3.7 kW	13 kW	13 kW	13 kW
Max. motor torque	250 Nm	250 Nm	210 Nm	250 Nm	250 Nm	250 Nm
Footstock stroke	160 mm (6.3")	160 mm (6.3")	160 mm (6.3")	160 mm (6.3")	160 mm (6.3")	160 mm (6.3")
Axes						
Linear guide ways	Hydrostatics	Hydrostatics	Hydrostatics	Hydrost./Linear elem.	Hydrostatics	Hydrostatics
Grinding spindle	Hydrostatics	Hydrostatics	Hydrostatics	Hydrost./Rolling elem.	Hydrostatics	Hydrostatics
Drive	Linear Motors	Linear Motors	Linear Motors	Linear Motors / Ballscrew	Linear Motors	Linear Motors
Dimensions						
Dimensions (W x D x H)	4,075 x 3,326 x 2,825 mm (13.4' x 11' x 9.3')	4,406 x 3,085 x 2,300 mm (14.5' x 10' x 7.5')	4,406 x 3,085 x 2,300 mm (14.5' x 10' x 7.5')	4,406 x 3,085 x 2,300 mm (14.5' x 10' x 7.5')	4,075 x 3,326 x 2,300 mm (13.4' x 11' x 7.5')	4,575 x 3,326 x 2,825 mm (15' x 11' x 9.3')
Machine weight	21,500 kg (47,400 lb)	17,500 kg (38,581 lb)	17,500 kg (38,581 lb)	17,500 kg (38,581 lb)	22,000 kg (48,500 lb)	24,000 kg (52,911 lb)

The information provided on this document is for information purposes only and does not constitute a legal obligation or a warranty, express or implied, of any kind.

CONTACT US

grinding-ultraprecision@fivesgroup.com

Bryant | Cincinnati | Cranfield Precision | Daisho | Gardner | Giustina | Landis

www.fivesgroup.com



fives

Industry can do it