



Landis LT1Se & LT1Se-DH

High volume grinding for small to mid-size cylindrical components



Segment grinding machine

- Dual headstock (LT1Se-DH)
- Virtually zero parasitic time for high production requirements
- Integrated loader mechanism to load/unload while machining (LT1Se-DH)
- Linear motors on all slide ways
- In process gauging

Cam segment grinding

Designed as compact cam-segment grinders the Landis LT1Se models can grind cylindrical and non-cylindrical shapes on small to mid-sized components.

FEATURES

- Landis system CNC control
- Hydrostatic wheelhead ways & wheel spindle
- CNC grinding wheelfeed & wheel dressing
- CNC variable speed workdrive
- Fully enclosed grinding area
- Reduced footprint



Landis LT1Se-DH

Model	Landis LT1Se	Landis LT1Se-DH
Grinding capacity		
Max. component swing	200 mm (7.9")	75 mm (3")
Max. grinding length	250 mm (9.8")	150 mm (5.9")
Max. workpiece weight	100 kg (220.5 lb)	30 kg (66 lb)
CBN Grinding wheel		
Max. number of spindles	2	
Wheel type	CBN	
Max. wheel Ø	200 mm (7.9")	120 mm (4.7")
Max. wheel width	50 mm (2")	80 mm (3")
Wheel surface speed	120 m/sec (65 ft/sec)	120 m/s (394 ft/sec)
Spindle power	20 kW	26 kW
Workhead & footstock		
Quantity	1	2
Workhead speed range	0 - 600 rpm	
Workhead drive power	5.5 kW	
Max. workhead motor torque	260 Nm	
Footstock stroke	150 mm (5.9")	
Type	Live spindle	
Axes & control		
Guideways / bearings (X)	Precision linear ways	Hydrostatic
Guideways / bearings (Z)	Precision linear ways	Precision linear ways
Drive	Linear motor	Linear motor
Grinding spindle	Ball bearings	Hydrostatic
Dimensions		
Machine bed	Composite	Cast iron
Dimensions (W x D x H)	2,600 x 2,150 x 2,457 mm (8.5' x 7' x 8')	2,205 x 2,705 x 2330 mm (7.2' x 8.9' x 7.6')
Machine weight	12,500 kg (27,558 lb)	12,000 kg (26,456 lb)

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