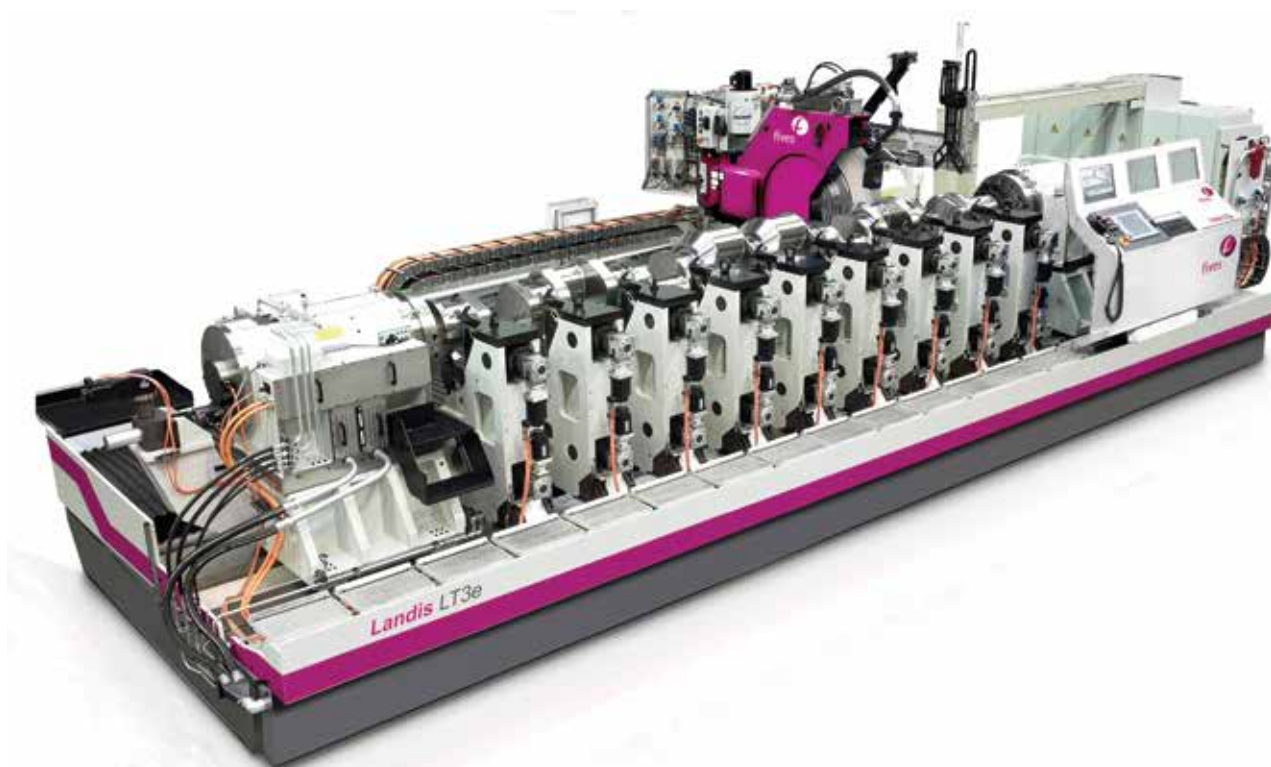




Landis LT3e

Large orbital grinding machine



Used for the grinding of crankshafts up to 8.5 meters in length & 8,500 kg in weight

- Electronically synchronized crankheads
- Linear motor technology
- Ability to grind longer shaft options available

Specifically designed for grinding large crankshafts

The Landis LT3e machine design provides the capability of grinding workpieces up to 8.5m in length, taking advantage of state-of-the-art technological developments and providing outstanding features.

FEATURES

- CNC hydrostatic wheelhead and workhead bearings
- Up to 40 servo axes supported
- Servo workrests
- Electronically synchronized crankheads
- In-process gauging



Grinding of pins on 6,500 mm crankshaft

Model	Landis LT3e 4500	Landis LT3e 6500	Landis LT3e 8500
Grinding capacity			
Max. component swing	850 mm (33.5")	850 mm (33.5")	850 mm (33.5")
Max. pin diameter	350 mm (13.8")	350 mm (13.8")	350 mm (13.8")
Max. journal diameter	350 mm (13.8")	350 mm (13.8")	350 mm (13.8")
Max. throw	250 mm (9.8")	250 mm (9.8")	250 mm (9.8")
Max. part length	4,500 mm (177")	6,500 mm (256")	8,500 mm (334.7")
Max. grinding length	4,500 mm (177")	6,500 mm (256")	8,500 mm (334.7")
Max. workpiece weight	4,500 kg (9,921 lb)	6,500 kg (14,330 lb)	8,500 kg (18,736 lb)
Wheelhead			
Wheel type	Aluminum oxide	Aluminum oxide	Aluminum oxide
Wheelhead	Single wheel head	Single wheel head	Single wheel head
Max. wheel Ø	1,400 mm (55")	1,600 mm (63")	1,600 mm (63")
Max. wheel width	250 mm (9.8")	250 mm (9.8")	250 mm (9.8")
Wheel surface speed	35 m/sec (114.8 ft/sec)	35 m/sec (114.8 ft/sec)	35 m/sec (114.8 ft/sec)
Spindle power	60 kW	60 kW	60 kW
Bearings	Hydrostatics	Hydrostatics	Hydrostatics
Workhead & footstock			
Workhead speed range	0-12 rpm	0-12 rpm	0-12 rpm
Max. workhead motor torque	8,000 Nm	8,000 Nm	8,000 Nm
Workhead bearings	Hydrostatics	Hydrostatics	Hydrostatics
Footstock stroke	150 mm (5.9")	150 mm (5.9")	150 mm (5.9")
Axes			
Linear guide ways	Hydrostatics / Linear rails	Hydrostatics / Linear rails	Hydrostatics / Linear rails
Grinding spindle	Hydrostatics	Hydrostatics	Hydrostatics
Drive	Linear motors	Linear motors	Linear motors
Dimensions			
Dimensions (W x D x H)	10,225 x 5,500 x 3,925 mm (33.6' x 18' x 12.9')	12,400 x 5,500 x 3,925 mm (40.7' x 18' x 12.9')	14,575 x 5,500 x 3,925 mm (47.8' x 18' x 12.9')
Machine weight	80,000 kg (176,370 lb)	90,000 kg (198,416 lb)	100,000 kg (220,462 lb)

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