



# Landis 3LVe

Cylindrical and profile grinding



The Landis 3LVe is a high-performance profile or OD grinder, optimizing cost without compromise

- OD Plunge, peel and cam grinding of multiple workpiece parts
- Flexible CBN, diamond and conventional wheel technology
- Value engineered for optimal life-cycle cost
- Easy maintenance

# High-performance component grinding

The Landis 3LVE grinding machine builds on the incredible success of the original Landis 3L, with over 500 machines installed worldwide. The Landis 3LVE is an evolution of the original machine, utilizing state of the art technology to improve efficiency and reliability. The technology of the Landis 3L machine is incorporated into an optimized design, providing unrivaled quality and cycle time standards at lower cost. Various machine configurations can be built on a modular platform to configure the Landis 3LVE for plunge, angle approach, peel or even cam lobe grinding.

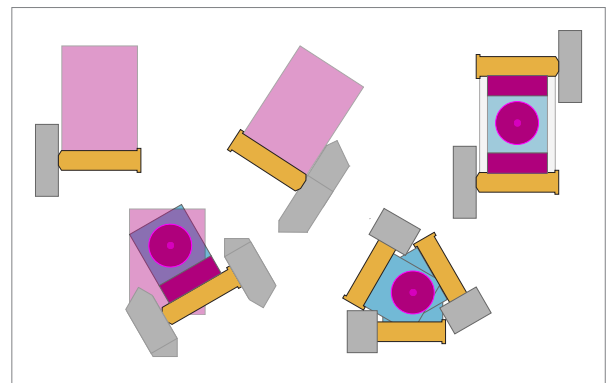
## WORKING METHOD

- Range of workdrive options available for high torque cam profile grinding (up to 260Nm), or high speed peel grinding (up to 7,500 rpm)
- High power wheel spindles enable high stock removal, wide plunge grinding or simultaneous lobe grinding without compromise to cycle time or quality
- When peel grinding, the high speed grinding wheel (200m/s) contours and finishes the workpiece
- Reduced cost per piece compared with conventional hard turning, grinding and polishing methods

## FEATURES

- High precision roller bearing linear guideways
- Linear motor technology options
- Up to 50KW wheel spindle power
- CBN, conventional or diamond grinding wheels
- Industry leading machine availability
- Simple maintenance

Model	Landis 3LVE
<b>Working capacity</b>	
Center height	220 mm (8.7")
Center distance (min/max)	300 / 500 / 700 mm (11.8" / 19.7" / 27.6")
<b>CBN grinding wheel</b>	
Wheel diameter	350 / 500 / 600 mm (13.8" / 19.7" / 23.6")
Max wheel width	5 / 50 / 150 / 250 mm (0.2" / 2" 5.9" / 9.8")
Max surface speed	125 or 200 m/sec (410 or 656 ft/sec)
<b>Wheel spindle &amp; workhead</b>	
G.W. spindle motor	19 / 22 / 25 / 50 kW
Max. G.W. speed	2,500 / 7,500 / 12,000 rpm
Workhead spindle motor power	5.5 / 9.5 kW
Workhead spindle motor torque	12 / 125 / 260 Nm
Max. workhead speed	600 / 2,250 / 7,500 rpm
<b>Axes</b>	
Linear guide ways	Precision linear guideways
Grinding spindle	Super precision ceramic bearing
Drive	High precision ball screw
<b>Dimensions</b>	
Dimensions (W x D x H)	4,030 x 3,050 x 2,338 mm (13.2' x 10' x 7.7')
Machine weight	10,000 kg (22,046 lb)



Wheelhead options



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## CONTACT US

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