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PRECISION MACHINERY, LLC

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Surface and Profile Grinding



openLine

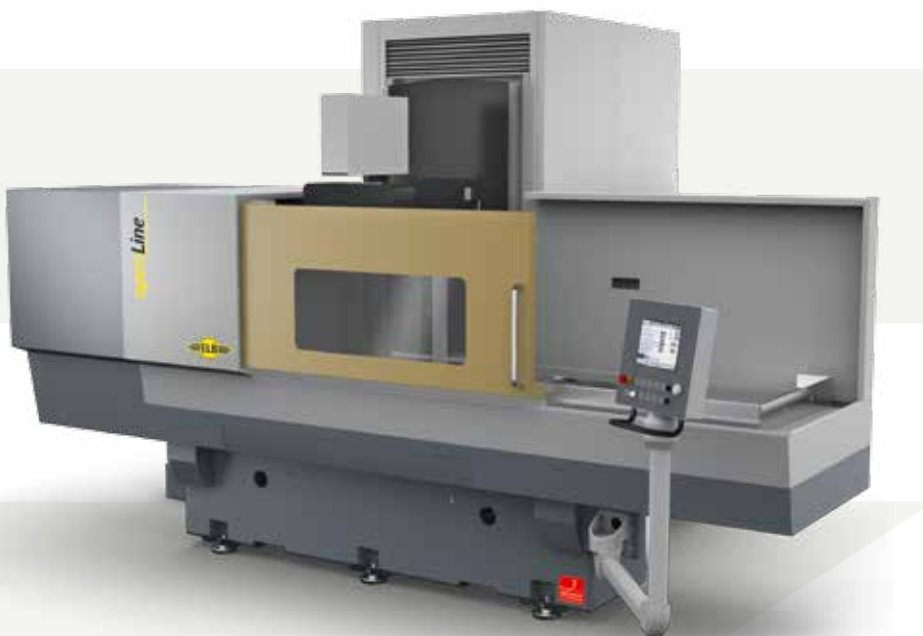
openLine

The machine with a view

Experience the openLine

The concept of the openLine follows the ELB-principle of absolute separation of the three machine axes. This principle has been proven a thousand times over and makes this machine perfectly suitable for prototype and small volume production. Highest geometrical precision and an attractive price makes this machine line so appealing.

This machine is completely manufactured in Germany and meets the highest quality standards. Quick and uncomplicated manual grinding (adjusting and fitting) is as easy as finish grinding in automatic mode. The ELB-technology proven over the past 50+ years make the purchase of an openLine machine a very economical investment.





Benefit Overview

- Good cost-performance ratio
- Long-term precision
- Comfortable controls
- Easy to operate
- Proven components



Design Characteristics

Machine Enclosure

- Open on right side to provide unobstructed view of the work piece

Machine Base and Column made from Micro Granit

- Much higher rigidity
- Optimal dampening characteristics
- High thermal stability of machine base and column
- Environmentally friendly through cold molding process
- Highest precision in the machine construction through alignment of axes before fusing
- High-precision machining of the components

Machine Concept

Two available Table Drive Systems

- Hydraulic Cylinder
- Belt Drive

Can be combined with

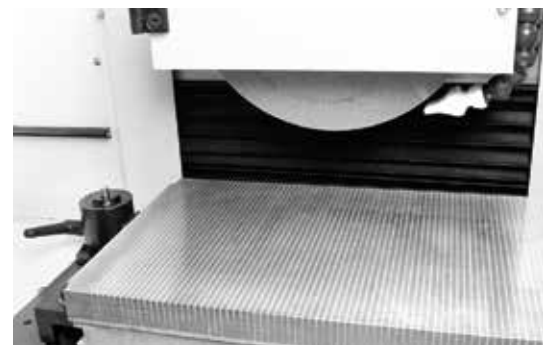
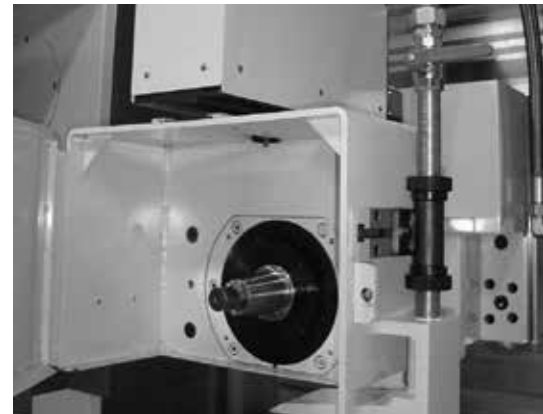
- V / flat guideways
- Linear guideways

Two Controls Options

- xpressCube (SPS-control for surface grinding)
- xpressCube Pro (entry-level profile grinding)

Additional Features

- Folding dressing unit
- Head mounted linear dressing unit

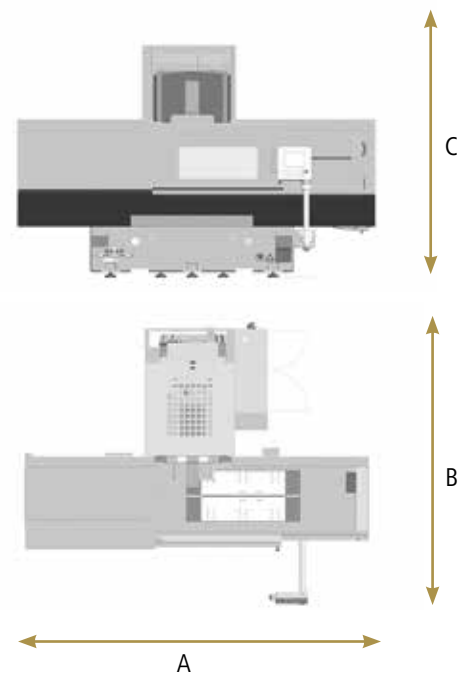


openLine	6	E 6	10	E 10
Grinding Width (mm)	400	600	400	600
Grinding Length (mm)	600	600	1,000	1,000
Distance Spindle Center to Table (mm)	650	700	650	700
Spindle Power (kW)	9	15	9	15
Spindle Cone (mm)	36	60	36	60
Grinding Wheel (mm)	300 x 50 x 76.2	400 x 100 x 127	300 x 50 x 76.2	400 x 100 x 127

Dimensions / Weight

Length A (mm)	3,300	3,300	4,100	4,100
Width B (mm)	2,250	2,625	2,250	2,625
Height C (mm)	2,350	2,650	2,350	2,650
Weight (kg)	4,700	6,500	5,400	8,000

All values are approximated and may change depending on selected options.
All information is subject to change.



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**Grinding Applications
for a Global Market**