



XL-Vertical single disc grinder

1000 / 2000 / 3000 / 4000



Vertical single disc grinder with superior machine rigidity, exceptional parallelism & flatness

- Monoblock wheelhead for high precision and fast stock removal
- Multiple workpiece grinding
- Rough and finish in one clamping
- Used for large workpieces like bearings, rings, plates and pump covers

Single disc grinder with magnetic rotary table for the processing of large components with plunge working method

Every vertical single disc grinder is specifically designed to comply with customers' requirements while offering ultimate precision and reliability.

WORKING METHOD

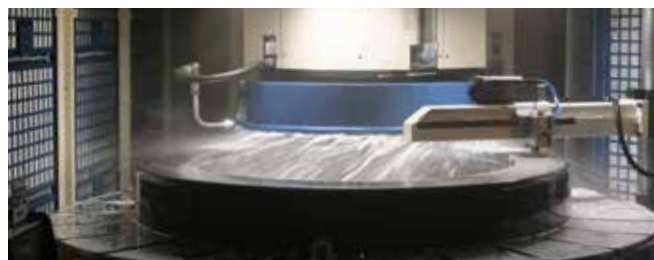
- Workpiece blocked magnetically or mechanically on the table, which moves on a slide under the grinding wheel, thus allowing for oscillation grinding processes
- Due to the progressive plunge with variable and programmable feed rates, the workpiece grinding can be completed (rough and finish) in a single clamping

FEATURES

- Table shift on linear bearing and profiled guides
- Segmented or ring grinding wheel
- Servo controlled grinding wheel and dresser positioning

OPTIONS

- In-process measuring system
- Robot, gantry or manual loading
- Magnetic rotary table available in several sizes



Model	XL-VSD1000	XL-VSD2000	XL-VSD3000	XL-VSD4000
Machining capacity				
Max. workpiece diameter	1,200 mm (47")	2,100 mm (82.7")	3,200 mm (126")	4,200 mm (165.4")
Max. workpiece thickness	400 mm (15.8")	500 mm (19.8")	710 mm (28")	710 mm (28")
Wheelhead				
Wheel diameter	660 mm (26")	915 mm (36")	1,220 mm (47")	1,220 mm (47")
Max. power	60 kW	75 kW	95 kW	95 kW
Linear axes				
Positioning resolution	1 µm (vertical axis)	1 µm (vertical axis)	1 µm (vertical axis)	1 µm (vertical axis)
Coolant				
Delivery	350 l/min	350 l/min	500 l/min	600 l/min
Dimensions				
Dimensions (W x D x H)	1,800 x 6,600 x 4,700 mm (6' x 21.6' x 15.4')	2,400 x 8,300 x 4,750 mm (7.9' x 27' x 15.6')	3,600 x 10,700 x 5,000 mm (11.8' x 35.1' x 16.4')	4,500 x 12,500 x 5,500 mm (14.8' x 41' x 18')
Machine weight	16,000 kg (35,274 lb)	24,000 kg (52,911 lb)	51,000 kg (112,436 lb)	74,000 kg (163,142 lb)

Gardner, Giustina or Daisho grinding machines will be proposed according to the standards in the specific geographical areas.

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