



Giustina XL-VSD

1000 / 1600 / 2000 / 2500 / 4000



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

- Multiple or single workpiece grinding
- Rough and finish in one clamping
- Variation of table magnetism during process
- Grinding process controlled by in-process gauge
- Used for large workpieces like bearings, rings, plates, slew bearings and pump covers

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

The XL-VSD models are developed for processing of big workpieces like large bearings, plates, hydraulics motor flanges, transmission crown gears and pump covers

WORKING METHOD

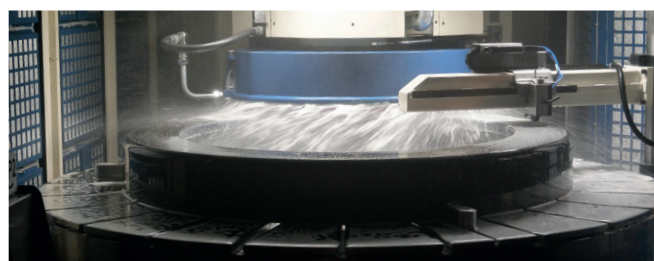
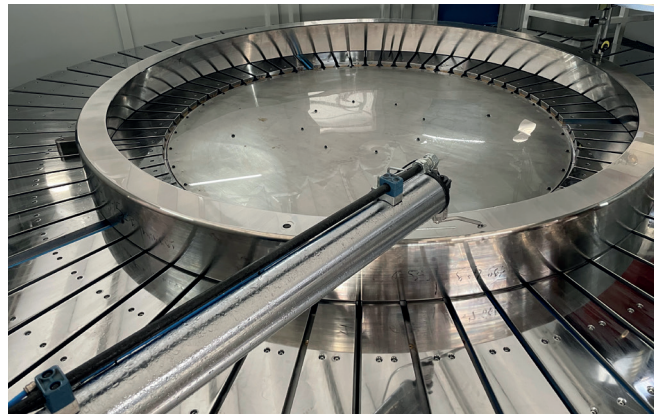
- Workpiece clamped magnetically or mechanically on the rotary table.
- Rotary table carriage moves the workpiece from loading area to grinding area.
- Grinding cycle starts by plunge of the wheel and driven by the in-process gauge.
- Magnetic clamping force variation during the grinding cycle releasing the internal workpiece tensions for exceptional final quality.

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-VSD1600	XL-VSD2000	XL-VSD2500	XL-VSD4000
Machining capacity						
Max. workpiece diameter	mm	1,000	1,600	2,000	2,500	4,000
Max. workpiece thickness	mm	500	710	710	710	710
Wheelhead						
Wheel Ø	mm	762	762	915	1,220	1,220
Max. power	kW	59	59	59	86	109
Machine						
Width	mm	1,700	2,000	2,400	2,900	4,900
Depth	mm	5,000	5,900	6,300	7,500	9,000
Height	mm	4,500	4,900	4,900	6,200	6,300
Weight	kg	25,700	26,500	40,000	76,500	110,000

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

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