



Vertical double disc grinder

305 / 355 / 455 / 510 / 585 / 760



High productivity machine with 3 block cast iron box type framing structure for superior rigidity

- Main spindle and wheel mounting flange is forged as one piece
- Simple adjustable tilting mechanism for wheel-tilting
- Solid roller guide design for maximum stiffness
- Different working fixtures and processes available

Designed for flat and parallel surface grinding

A vertical double disc grinder for flat and parallel surface grinding of rotors, stators, VVT components, bearings, spacers, pump parts, connecting rods, and other workpieces with flat surfaces. It is available in 6 versions depending on the parts dimensions and productivity.

FEATURES

- High resistance cast iron machine bed
- CBN or conventional grinding wheels
- Servo-controlled wheelhead and dresser positioning
- Closed loop of forces to guarantee thermal stability and mechanical stiffness
- Wheel balancing system
- Robust single cast dressing arms for an optimal grinding performance
- Wheels are dressed simultaneously, to ensure an optimal dressing time



Vertical models	VDD305	VDD355	VDD455	VDD510	VDD585	VDD760
Grinder workpiece capacity						
Max. workpiece - OD	5 - 50 mm (0.2" - 2")	5 - 50 mm (0.2" - 2")	15 - 75 mm (0.6" - 3")	15 - 75 mm (0.6" - 3")	20 - 240 mm (0.8" - 9.5")	25 - 350 mm (1" - 13.8")
Max. thickness	85 mm (3.4")	85 mm (3.4")	85 mm (3.4")	85 mm (3.4")	85 mm (3.4")	85 mm (3.4")
Min. thickness	0.7 mm on all (0.03")	0.7 mm on all (0.03")	0.7 mm on all (0.03")	0.7 mm on all (0.03")	0.7 mm on all (0.03")	0.7 mm on all (0.03")
Wheelhead						
Max. wheel Ø	305 mm (12")	355 mm (14")	455 mm (17.9")	510 mm (20")	585 mm (23")	760 mm (29.9")
Max. power grinding wheel	5.5 - 7.5 kW	7.5 - 11 kW	11 - 15 kW	11 - 15 kW	22 - 30 kW	37 kW
Positioning precision	1 µm	1 µm	1 µm	1 µm	1 µm	1 µm
Dimensions						
Dimensions (W x D x H)	1,550 x 1,625 x 2,200 mm (5.1' x 5.3' x 7.2')	1,550 x 1,625 x 2,200 mm (5.1' x 5.3' x 7.2')	1,550 x 1,625 x 2,200 mm (5.1' x 5.3' x 7.2')	1,550 x 1,625 x 2,200 mm (5.1' x 5.3' x 7.2')	2,700 x 3,100 x 3,100 mm (8.9' x 10' x 10')	2,700 x 2,700 x 3,200 mm (8.9' x 8.9' x 10.5')
Machine weight	5,500 kg (12,125 lb)	5,500 kg (12,125 lb)	5,500 kg (12,125 lb)	5,500 kg (12,125 lb)	12,000 kg (26,457 lb)	15,000 kg (30,069 lb)

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

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CONTACT US

grinding-ultraprecision@fivesgroup.com

Bryant | Cincinnati | Cranfield Precision | Daisho | Gardner | Giustina | Landis

www.fivesgroup.com



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