

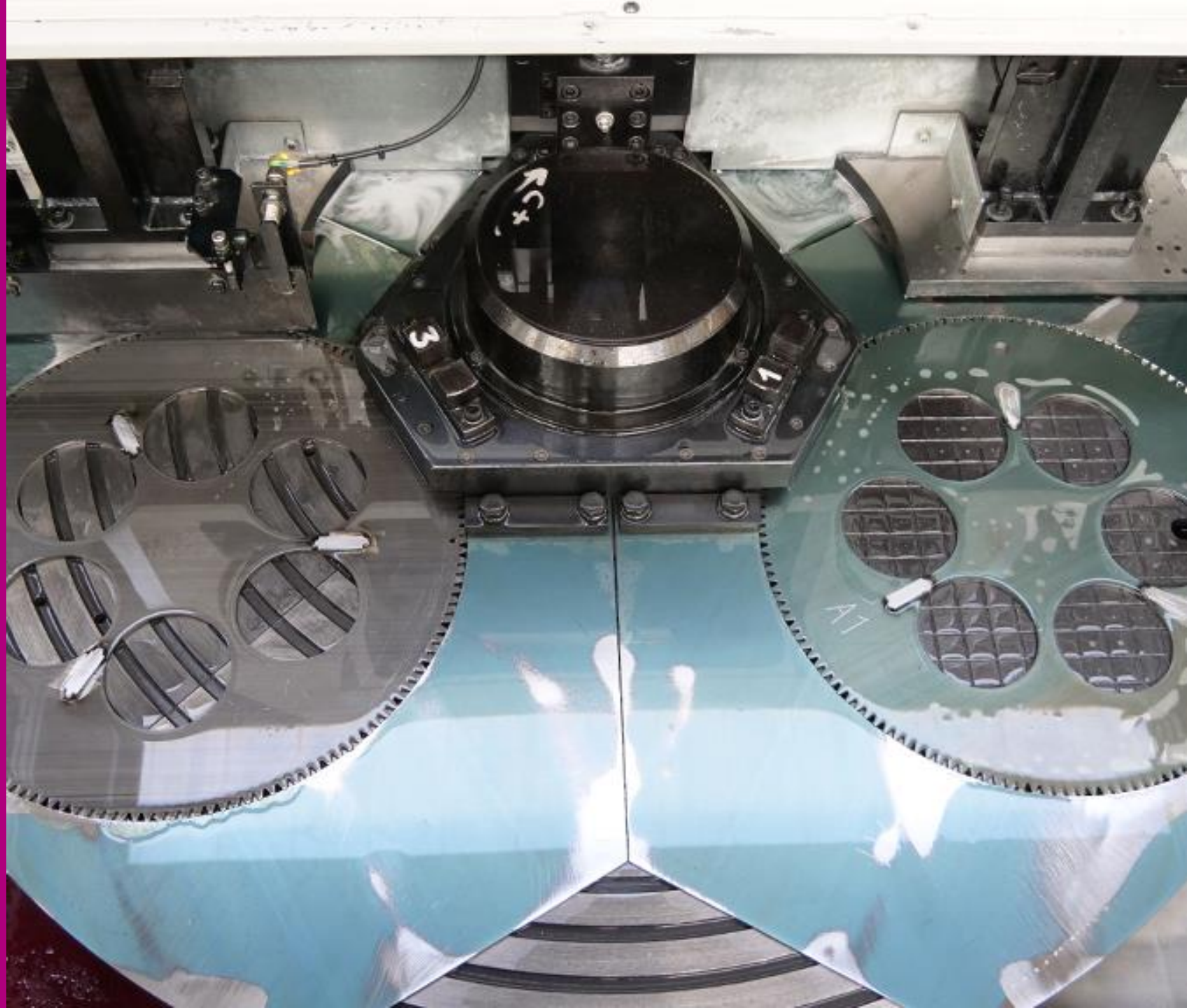


fives

VERTICAL DOUBLE DISC

305 / 355 / 455 / 510 / 585 / 760

May 2021



Modular design for engineered solutions

For superior rigidity, our line of vertical double disc grinding machines is built on a three block cast iron box type framing structure. This ensures our VDD machines have exceptional stiffness and robustness.

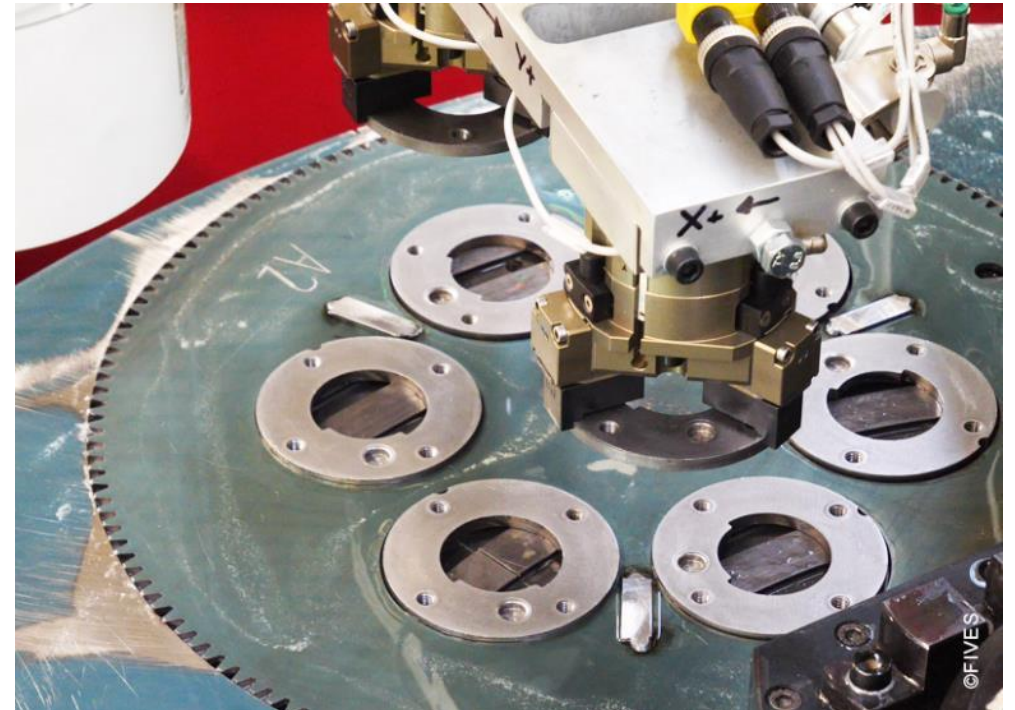
We offer both conventional and super abrasive grinding (CBN & diamond) options. In turn, this gives you reduced cycle time, higher throughput and increased cost efficiency.



Flat and parallel surface grinding

Our flexible VDD machines are ideal for high precision grinding for a variety of flat-surface parts including:

- Rotors
- Stators
- VVT components
- Bearings
- Spacers
- Pump parts
- Connecting rods
- Piston rings
- And many other components



Machine Highlights

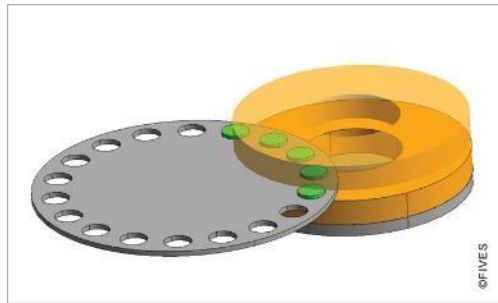
Our solutions are available in multiples sizes and can be engineered to suit your production needs. Additional key benefits include:

- A high resistance cast iron machine structure
- CBN, diamond or conventional grinding wheels
- Servo-controlled wheelhead and dresser positioning
- Automatic or manual loading/unloading system
- Small footprint

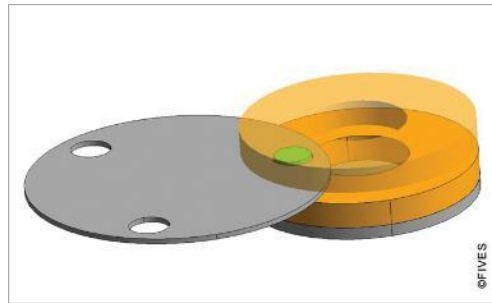


Various working modes

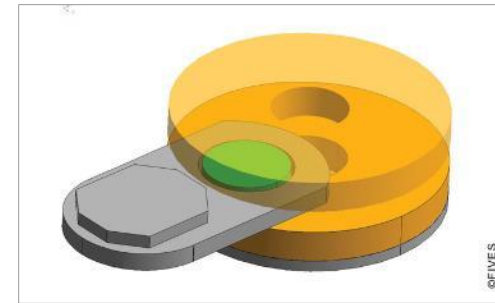
Our VDD machines are used to surface grind workpieces with different working methods that include:



Rotary through-feed



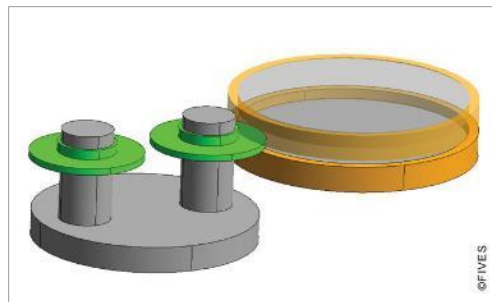
Index carrier



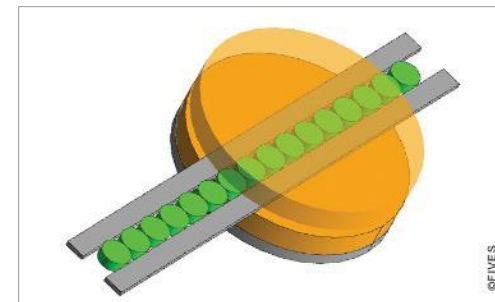
Oscillating infeed carrier



Workpiece rotating index



Index table work drive



Through-feed

	VDD305	VDD355	VDD455	VDD510	VDD585	VDD760
Grinder workpiece capacity						
Max. workpiece - OD	5 - 50 mm	5 - 50 mm	15 - 75 mm	15 - 75 mm	20 - 240 mm	25 - 350 mm
Max. thickness	85 mm	85 mm	85 mm	85 mm	85 mm	85 mm
Min. thickness	0.5 mm	0.5 mm	0.5 mm	0.5 mm	0.5 mm	0.5 mm
Wheelhead						
Max. wheel Ø	305 mm	355 mm	455 mm	510 mm	585 mm	760 mm
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	1,550 x 1,625 x 2,200 mm	1,550 x 1,625 x 2,200 mm	1,550 x 1,625 x 2,200 mm	2,700 x 3,100 x 3,100 mm	2,700 x 3,100 x 3,200 mm
Machine weight	5,500 kg	5,500 kg	5,500 kg	5,500 kg	12,000 kg	15,000 kg



fives

Industry can do it

Fives Landis Corp

16678 Halfway Blvd.
Hagerstown, MD 21740

www.fivesgroup.com