



DANOBAT

DVG

HIGH PRECISION VERTICAL GRINDING MACHINES



DANOBAT DVG vertical high precision grinding machines for large component manufacturing.

The finest technologies are utilized to achieve the highest rigidity and precision. These machines have been designed on a modular basis to meet each customer's needs ranging from universal configuration machines to the most demanding customizations. This modularity provides flexibility to achieve the shortest lead time and optimum cost for a machine made to order.

Typical operations of this range of vertical grinding machines include grinding, measuring, turning, deburring, milling, drilling and miscellaneous machining.



01 Boring | **02** Internal grinding | **03** Milling | **04** Face grinding | **05** Turning

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TECHNICAL CHARACTERISTICS		DVG-2500	DVG-3000	DVG-4000
Grinding diameter (max.)	mm (in)	2500 (98 ^{1/2})	3000 (118)	4000 (157 ^{1/2})
Grinding height (max.)	mm (in)	700 (27.6)	700 (27.6)	700 (27.6)
Turret positions	no.	1 to 4	1 to 4	1 to 4
Table load	kg (lb)	15000 (33069)	15000 (33069)	15000 (33069)
C axis speed	rpm	up to 150	up to 150	up to 150



- Stabilized pearlitic cast iron bed
- Main elements of the machine made of stabilized pearlitic cast iron
- Cross slides for vertical and traverse movements
- Independent slide for longitudinal movement (y Axis)
- External linear scales on all machine axes
- Swivelling B axis with integrated torque motor
- Precision radial and axial hydrostatic bearing on C Axis

DVG SERIES EQUIPMENT

Standard

- High precision motorized grinding spindle
- Fully enclosed machine guarding
- Dresser unit (2 single diamond points)
- DoGrind conversational grinding software
- Web based remote system
- Computerized operator & maintenance documentation

Options

- Part measuring system
- Swivel slide (B Axis) (Hirth coupling / continuous positioning)
- Fully enclosed machine inox. guarding
- T-Slotted table top or pallet system
- Disc type dressing system
- Deburring system (brush type or high pressure coolant)
- Automatic Tool Changer
- Scanner measuring system
- Touch probe measuring system
- Semiautomatic wheel balancing system
- Tool presetting system
- External set up station and pallet clamping system
- Turning arm
- Magnetic table
- Chip conveyor
- Mist extractor