



DANOBAT

VERTICAL GRINDING MACHINE

VG

VG VERTICAL GRINDING MACHINE

DANOBAT VG high precision cylindrical vertical grinding machine range has been designed to suit to specific applications of our customers.

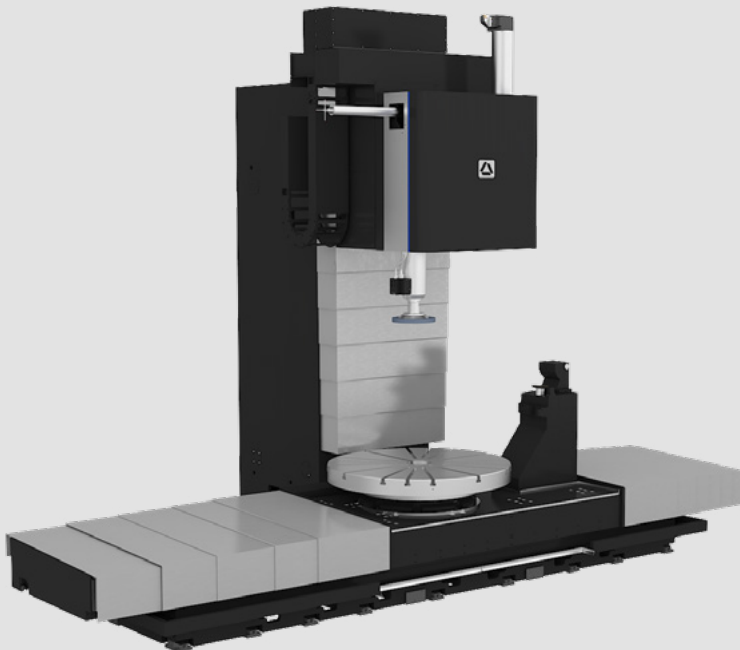
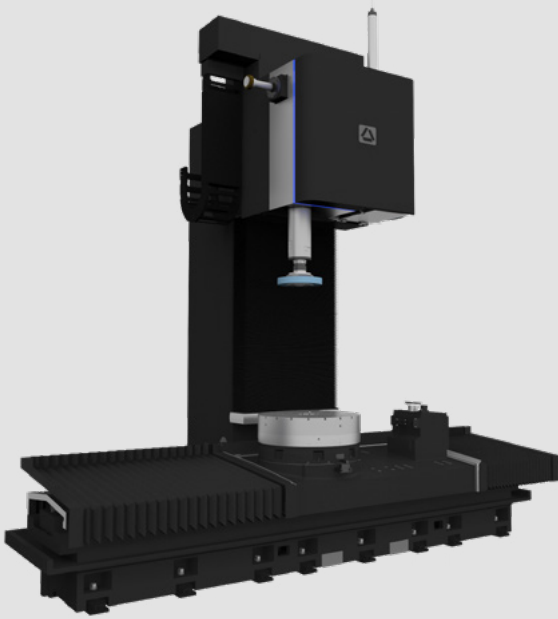
The finest technologies are utilized to achieve the highest rigidity and precision. These machines have been designed on a modular basis to meet each customer's needs ranging from universal configuration machines to the most demanding customizations. This modularity provides flexibility to achieve the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



VG TECHNICAL DESCRIPTION

TECHNICAL CHARACTERISTICS		VG-600	VG-800	VG-1000	VG-1500	VG-1800
Grinding diameter	mm (")	600 (23.6)	800 (31.4)	1000 (39.3)	1500 (59)	1800 (70.8)
Component height	mm (")	600 (23.6)	600 (23.6)	600 / 700 / 1000 (23.6) / (27.5) / (39.3)	700 / 1000 (27.5) / (39.3)	1000 (39.3)
Load	kg (lbs)	1000 (2200)	2000 (4400)	3000 (6600)	3000 (6600)	3000 (6600)
Tools		4+1*	4+1*	4+1*	4+1*	4+1*

* Measuring arm / ** Machine capacity to be fixed on final configuration



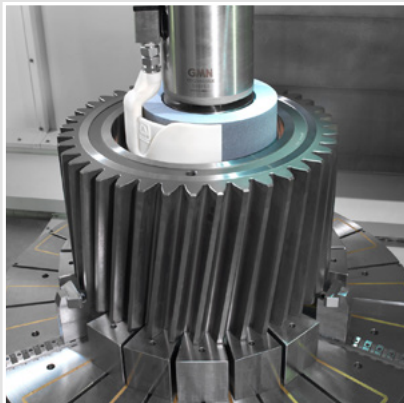
Main Highlights

- Multipurpose machine concept with various machining and measuring options.
- Table moving construction with independent slides.
- Main elements made out of stabilized perlitic cast iron.
- Multiple turret arrangement.
- High precision linear scales on all linear axis and high precision encoders on rotary axis.
- Precision radial and axial hydrostatic bearing on C axis.

VG equipment

- Various grinding spindle solutions for all surfaces and different speed/torque requirements.
- Hard turning, light milling and deburring solutions.
- Part measuring systems.
- Swiveling B axis with Hirth locking system or continuous positioning.
- Wheel balancing systems.
- Magnetic table.
- External set-up station and pallet clamping system.
- Automatic Tool Changing system.
- Intuitive operational software with advanced grinding features.
- Experienced engineering customizing tools, fixtures, 3D coolant nozzles, specific cycles etc. to Customers' application.

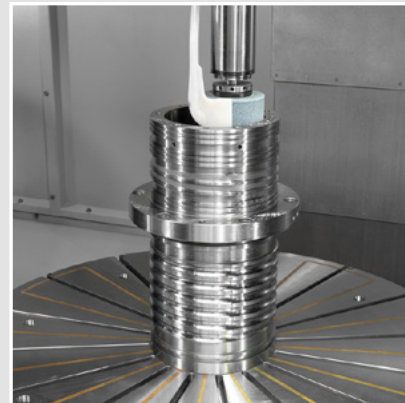
GEAR



BEARING



SPINDLE HOUSING



LPT DISC



HPC ROTOR SHAFT



STUB SHAFT



STATOR CASE

