



DANOBAT

HIGH PRODUCTION GRINDING MACHINES

CG/PG

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High precision grinding machines CG and PG for external diameter and face grinding.

The compact design with small footprint combined with its high rigidity; make the CG the perfect grinding machine to work in the most exigent industrial and production environments. A robust and reliable grinding machine, the capacity to hold a grinding wheel of up to 600 mm in diameter; make this model the most attractive to those customers making high production series.

The cylindrical grinding machine has as well flexibility to adequate more than one wheel, with the possibility to work with both internal and external grinding spindles.

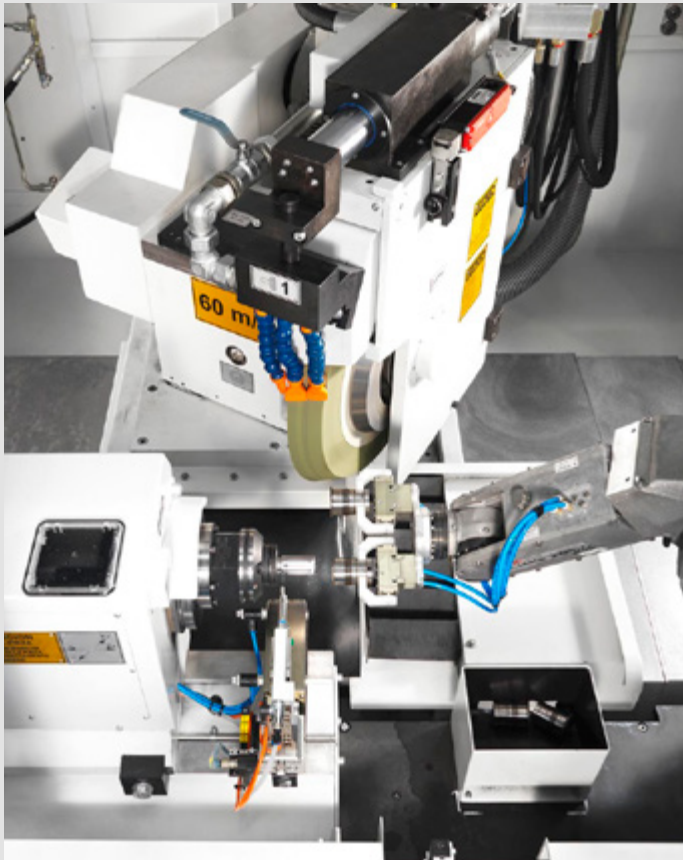
In order to fit to the customers' requirements, an automatic loading system can be easily incorporated, in the way of different technologies like robot, external or integrated gantry and custom made manipulation systems.

For customers requiring the grinding of bigger parts, the PG model offers a production solution that can accommodate parts of up to 1000 mm length and wheels of max. 910 mm in diameter.



CG/PG TECHNICAL DESCRIPTION

TECHNICAL CHARACTERISTICS		CG-600	CG-1000	PG-600	PG-1000
Distance between centres	mm	600	1000	600	1000
Diameter to be ground	mm	440	440	440	440
Weight between centres	kg	80/250	80/250	500	500
Grinding wheel diameter	mm	610	610	910	910
Wheel peripheral speed	m/s	60	60	60	60



State of the art machines

- Stability & dynamics for the maximum rigidity.
- “B”-axis with integrated high precision torque motor giving less maintenance, longer product life and zero backlash.
- All the critical sub-assemblies are carefully designed and produced; with a strict 3D measuring inspection procedure and then assembled in a clean room environment with humidity and temperature control $\pm 1^\circ$.

Maximum production

- Solutions developed focused on providing maximum production.
- Different resources to get the maximum production without losing flexibility. For instance, mobile tailstock, special clamping systems, etc.

Rigidity, stability and precision

- One piece pearlitic cast iron machine base and sub assemblies. Greater rigidity.
- Slideways are hand scrapped to ensure positioning accuracy and repeatability. Correct surface contact and lubrication retention.
- Automatic loading / unloading systems: robot, integrated portal loader, autonomous self-standing gantry loader...
- Customized chucks and tooling item for each part type.