



# DANOBAT

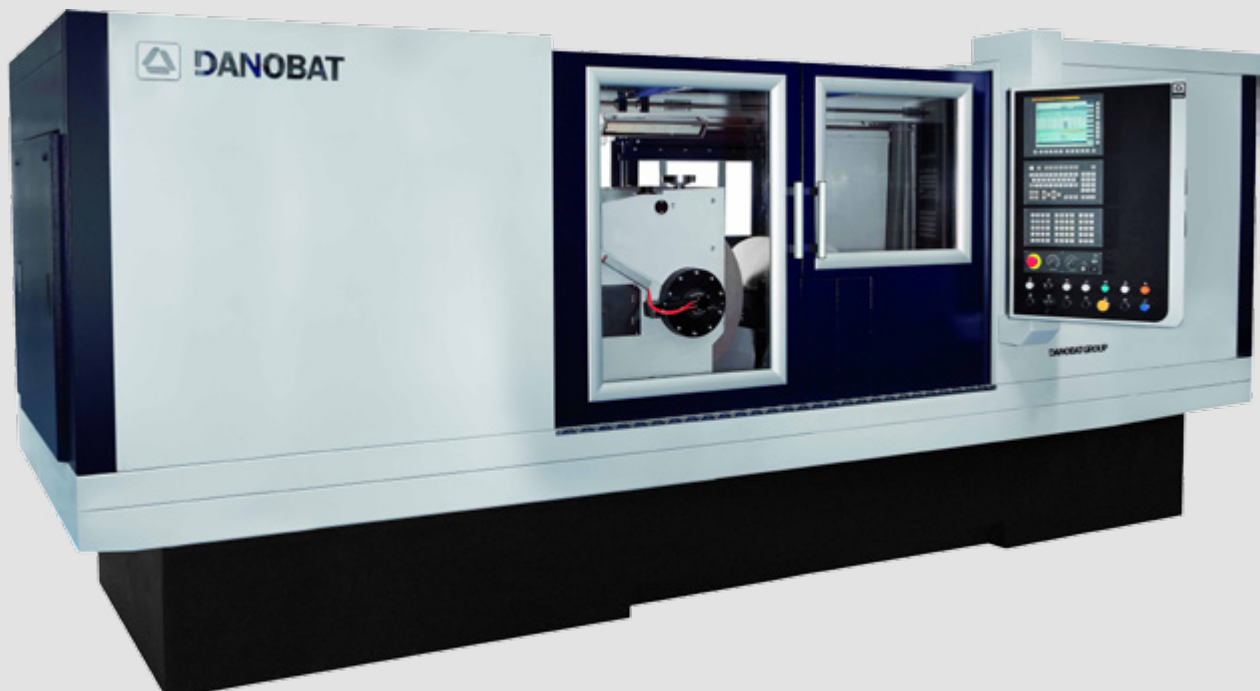
## HEAVY-DUTY CENTRELESS GRINDING MACHINE

# ESTARTA-650

### ESTARTA-650 HEAVY-DUTY CENTRELESS GRINDING MACHINE

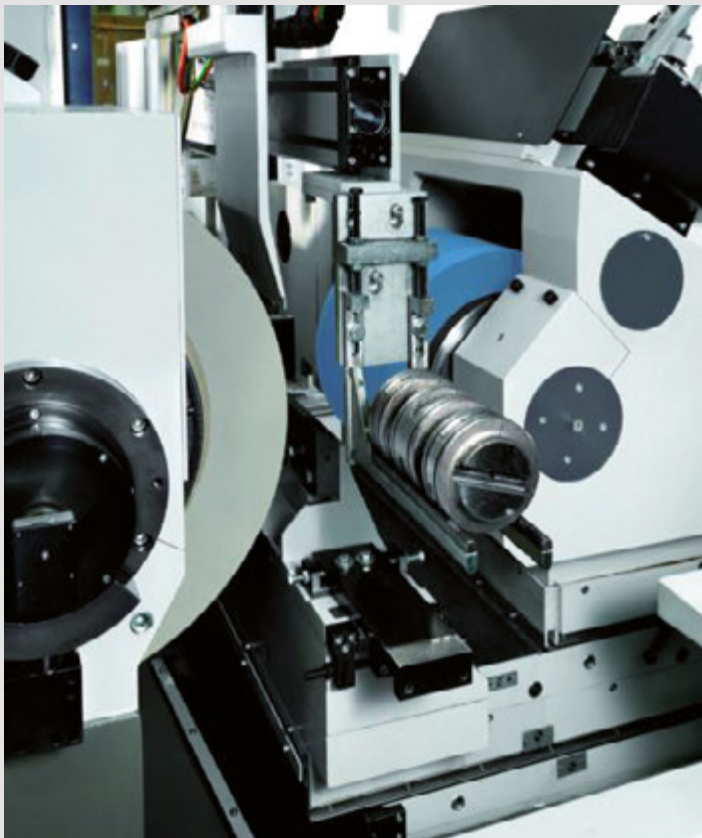
DANOBAT presents the ESTARTA-650, a new concept of a centreless grinding machine.

ESTARTA-650 is an innovative centreless grinding machine with cutting-edge technology. It stands out for being one of the most rigid centreless grinding machines available on the market to meet the most demanding requirements, including high speed manufacturing (120 m/s with CBN technology) paying special attention to rigidity and vibration damping.



# ESTARTA-650 TECHNICAL DESCRIPTION

TECHNICAL CHARACTERISTICS		ESTARTA-650
Component size	mm	5-250
Max. infeed grinding length	mm	650
Grinding wheel dimensions (OD x width x ID)	mm	Ø650 x 650 x Ø304.8
Grinding wheel peripheral speed	m/s	63-120
Regulating wheel dimensions (OD x width x ID)	mm	Ø400 x 650 x Ø203.2
Main motor	kW	55-110
Net weight	kg	16500



## Rigidity

- Looking for maximum rigidity, an innovative additional support in the regulating wheel headstock is used thus eliminating the cantilever and stiffness losses that all this kind of machines have had till now.

## Precision

- Roller guideway system of the machine with positional control through glass scales, providing two important advantages: a greater movement sensitivity and an environment friendly machine as the hydraulic equipment becomes superfluous, requiring a lower energy consumption and reduced maintenance.
- New damping system in both guiding systems of grinding and regulating wheel slides.
- The combination of this damping system with mentioned guideway solution guarantees the maximum precision even in the most severe working conditions.

Requirements of completely automated manufacturing processes are fulfilled with incorporation of customized automatic loading systems developed by DANOBAT, e.g. integrated gantry or robot solutions as well as different measuring devices: by contact, pneumatic and optical.

# ESTARTA-650 APPLICATION

**CAMSHAFT TUBE**



**BAR**



**VALVE SPOOL**

