



DANOBAT

PRECISION CENTRELESS GRINDING

ESTARTA-250

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DANOBAT presents the ESTARTA-250, the solution for reduced batch sizes. The ESTARTA-250 is a cantilever centerless grinder that minimizes inherent stiffness losses of this construction.

ESTARTA-250 is the new centerless grinding machine with a cantilever design that minimizes inherent stiffness losses of this construction. It has been specially developed to achieve the maximum versatility in conjunction to the maximum productivity. Cantilever configuration will offer the required flexibility to those customers sensitive to today's fast change over requirements. The machine is also prepared to grind at high speed (120 m/s with CBN technology) paying special attention to rigidity and vibration damping.

In the aim of achieving the best dynamic performance, the revolutionary wheelhead design of the new centerless grinders generation from DANOBAT has been also included. This design maximizes the regulating spindle stiffness.



ESTARTA-250 TECHNICAL DESCRIPTION

TECHNICAL CHARACTERISTICS		ESTARTA-250
Component size	mm	1-100
Max. infeed grinding length	mm	250
Grinding wheel dimensions (OD x width x ID)	mm	Ø650 x 250 x Ø304.8
Grinding wheel peripheral speed	m/s	63-120
Regulating wheel dimensions (OD x width x ID)	mm	Ø400 x 250 x Ø203.2
Main motor	kW	30-45
Net weight	kg	12500



Versatility

- Machine with optimized design giving maximum accessibility for different adjustments and machine set up.
- In addition to having optimized rigidity, the machine has been conceived with wheel headstock in cantilever for quick changeover times emphasizing key factors for this design like minimum distance to front bearing or wheel spindle shaft diameter.

Precision

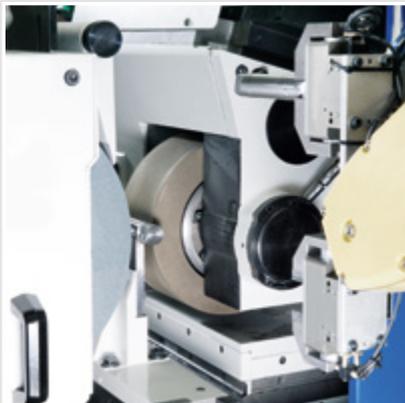
- Roller guideway system of the machine with positional control using linear scales, providing two important advantages: extreme movement sensitivity and an environment friendly machine, as the hydraulic equipment becomes superfluous, requiring lower energy consumption and reduced maintenance.
- New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

The machine has been designed from the beginning as a complete solution, so the possibility to incorporate different and customized automatic loading system is complete.

In DANOBAT there is a huge experience in developing these kind of personalized solutions, e.g. gantry loaders or robot solutions. There is also the possibility to integrate different accessories as measuring devices (by contact, pneumatic and optical), cleaning stations or others.

ESTARTA-250 APPLICATION

SHAFT



FASTENERS



CROSS SPIDER

