

HIGH PRECISION & PRODUCTION CENTERLESS GRINDING MACHINES

ESTARTA-175
ESTARTA-250



DESCRIPTION

The machines in this family are designed for both infeed and throughfeed grinding.

They have cantilever grinding wheelheads to ensure fast component changeovers. They also have double support regulating wheelheads to ensure optimal stiffness.

These two models are therefore the perfect solution for high-precision work on small to medium-sized workpieces

and operations involving the manufacture of short production runs, in which fast component changeovers are critical.

ESTARTA grinding machines can work at high speeds (120 m/s) for applications with CBN wheels, thus optimising cycle times.

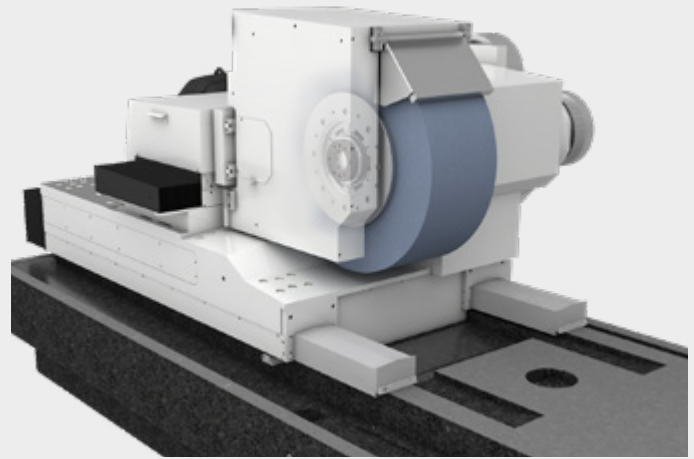
ESTARTA-175/ESTARTA-250. SHORT PRODUCTION RUNS // SMALL TO MEDIUM-SIZED WORKPIECES

ESTARTA RANGE

| | ESTARTA-175 | ESTARTA-250 |
|---|------------------------|------------------------|
| Maximum workpiece diameter | 40 mm | 150 mm |
| Grinding wheel dimensions (OD x width x ID) | Ø508 x 175 x Ø304.8 mm | Ø650 x 250 x Ø304.8 mm |
| Max. grinding wheel peripheral speed | 120 m/s | 120 m/s |
| Regulating wheel dimensions (OD x width x ID) | Ø305 x 175 x Ø127 mm | Ø400 x 250 x Ø203.2 mm |
| Main motor | 11 - 22 kW | 22 - 37 kW |
| Net weight | 8000 kg | 12000 kg |

CORE TECHNOLOGY

- Natural granite bed.
- Linear motors on both dressers.
- High-stiffness direct drive on main slides.
- Grinding wheel cantilever spindle support.
- Regulating wheel twin-grip spindle support.
- Rapid component changeover.
 - » Automatic taper adjustment.
 - » Automatic workrest blade locking.
 - » Automatic workrest blade height regulation.



FULLY CUSTOMISABLE MACHINES



Machines prepared from its design to bring innovative and personalised answers to different loading systems such as loading and unloading conveyors, integrated portal loader, external portal loader, etc., High value technological solutions are added for the automation level required by each customer.



ECO-FRIENDLY

- Hydraulic components have been eliminated and all other machine components have been minimised: there are now 23% fewer than in the equivalent model in the previous range. This minimises maintenance and optimises reliability.
- The machine is manufactured using natural materials, with less energy consumption.
- The solution includes standby software functions and has no chiller.