

supfina



Double-disk grinding
of flat components

PLANET V

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The Planet V machine series defines a new dimension in double disk grinding.

The vertical spindle arrangement provides end customers with the highest workpiece qualities while, at the same time, reducing costs per part.

Some of the unique features are the patented grinding gap visualisation and integrated tool-change device, which reduce retooling time to an absolute minimum.

Supfina Planet V4

Workpiece diameter	6–85 mm
Workpiece thickness	0,6–40 mm

Supfina Planet V7

Workpiece diameter	10–180 mm
Workpiece thickness	1–100 mm

Thanks to the Planet V's modest footprint, the machine can easily be integrated into new or existing production lines.

Cost-effectiveness

- Future-oriented machine concept
- Short tool change times due to integrated tool change mechanism
- Short change-over times
- Very easy to operate
- Easy integration into existing and new manufacturing lines
- Flexible automation capability
- Virtually maintenance-free
- Excellent finished part quality

The Planet V series of machines has innovative features such as the patented tilting navigation for user-guided adjustment of the grinding gap, the integrated tool-change aid and the modular truing system for grinding wheels.

These features allow the system to be quickly upgraded. The process-measurement controls also ensure safe production in three-shift operation.

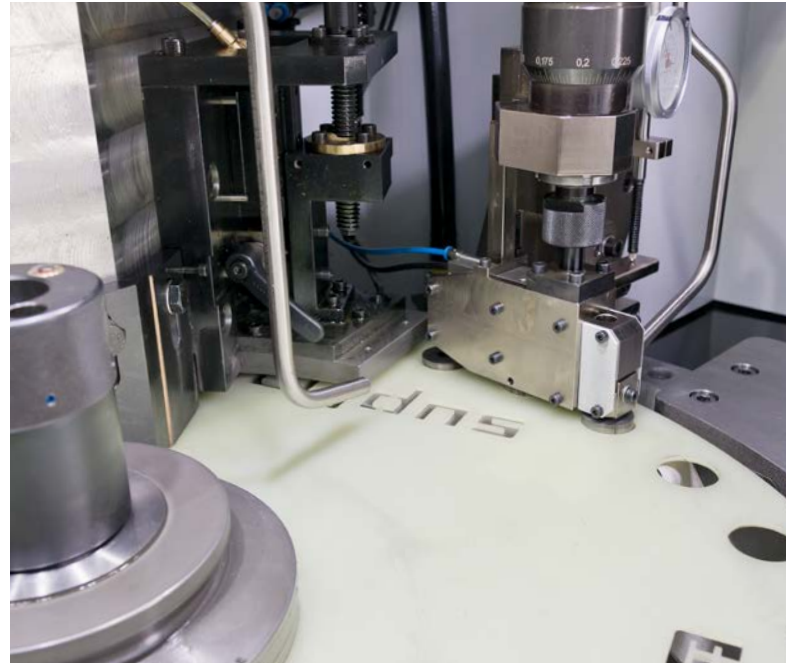
The extremely rigid machine base enables the grinding of steel, sintered metal, non-ferrous metal, plastic, ceramic, and glass. With the two powerful motors, material can be removed at a rate of more than 1 mm/s. In just one passage, the workpiece will be machined with an average tolerance of ± 0.003 mm.

Fields of application

- Large-quantity and high-precision flat parts
- Automotive and automotive suppliers' industry
- Anti-friction bearing industry
- Manufacturing of the following components: pump parts, sealing washers, clock and watch parts, etc. made from hardened and unhardened steel, ceramics, hard metal, brass, sintered material and special alloys

Impressive advantages

- Robust process
- High stock removal rates
- Short cycle times
- Short change-over times
- Short non-production times
- High part quality
- FEM-optimized machine base made from composite material therefore compact system with outstanding machine rigidity
- Patented tilting navigation
- Visualization of the grinding gap
- Linear, compact dressing system
- Maximum dressing precision
- Motorized spindles
- High performance and variable speeds
- Optional use of CBN and diamond grinding wheels
- Long tool life
- Safe investment due to best in class versatility



Your solution provider

An ideal solution is the result of constant interaction and development. We know this as well as our customers do, which is why Supfina's corporate philosophy is based on an integrated approach. This means combining traditional knowledge and experience with high technology and uncompromising customer service.

Supfina Grieshaber conducts targeted research and combines many years of experience in the field of superfinishing and grinding as well as automation with knowledge of upstream and downstream processes.

As a system supplier, we offer you complete solutions from one source. We develop the right professional solution for every requirement. This allows you to react quickly to changing customer requirements and strengthen your own market position.

Our systems are supplemented by a comprehensive, digitally supported service to ensure that as a customer, you can continue to rely on Supfina at all times.

Supfina Grieshaber is your reliable partner worldwide when it comes to implementing economical machining solutions for the highest demands – both today and into the future!

Are you looking for the right and economical solution for your manufacturing processes?

Talk to us!



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