



Superfinishing of rolling bearing
raceways and rolling elements

Supfina Race

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The innovative Supfina Race sets new standards for the superfinishing of inner and outer bearing races as well as rolling elements. With its fast setup times it is optimized for high productivity and high reliability — all while achieving results of the highest quality.

In addition to classic race finishing with stone, the modular Supfina Race allows the use of up to four different superfinishing units, including tape.

Supfina Race 707

Working stations	2
Workpiece diameters	13–90 mm
Contact angle	0–55°

Supfina Race 717

Working stations	2
Workpiece diameters	30–180 mm
Contact angle	0–55°

The Race series can be used for workpiece diameters up to 100 mm, 200 mm, and 320 mm, and workpiece weights up to 20 kg.

Workpieces

- Deep-groove ball bearings
- Angular contact ball bearings
- Four-point contact ball bearings
- Axial ball bearings
- Spherical roller bearings
- Cylindrical roller bearings
- Tapered roller bearings
- Symmetrical and asymmetrical spherical rollers
- Cylindrical rollers
- Tapered rollers

The highly productive Supfina Race — with optimal modules for every task — provides both rotary and linear oscillator systems with unrivaled performance and very fast loading.

Versatile, multi range, interchangeable tooling provides additional flexibility for a very reasonable price, thus the machine is a sound investment for the future.

The Supfina Race is easy to transport as a modular, fully integrated machine, and is quickly ready for operation at the installation site. The flexible loading systems can be easily connected to any feed and discharge system available.

Exceptional accessibility and state-of-the-art technology facilitate operation. All machine functions can be selected in the setup and automatic mode using the control panel with color display. The superfinishing expertise is stored in the machine's memory, so quality parameters are easily reproduced for every workpiece.



Impressive advantages

- Two processing stations
- Up to four superfinishing units in one machine
- Vertical workpiece spindles
- NC positioning of the superfinishing units
- NC-controlled spindle drives
- Variable centering systems
- Automatic loading and unloading
- Multi-step, automatic workflow
- State-of-the-art technology
- Integrated control cabinet
- Multi-range tooling
- High productivity due to minimal idle time
- Low tooling costs
- Setup times of less than 15 minutes
- Easy operation
- Optimal accessibility
- Small footprint
- NC swivel unit for angular ball bearing and superimposition stroke



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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