

supfina



Machining of bearing rollers

ROLLERFLEX

Supfina RollerFlex

Machining of bearing rollers



The Supfina 778 RollerFlex marks the industry standard for the Superfinishing of bearing rollers. In the most recent generation of roller bearings, the improvements in performance and permissible load are based on the consistent reproduction of exactly defined surface parameters. Here, the highly productive Supfina RollerFlex 778 plays a crucial role.

The machine's dynamically balanced Superfinishing units are designed for high frequencies and amplitudes. The resulting large stock removal rates lead to short machining times.

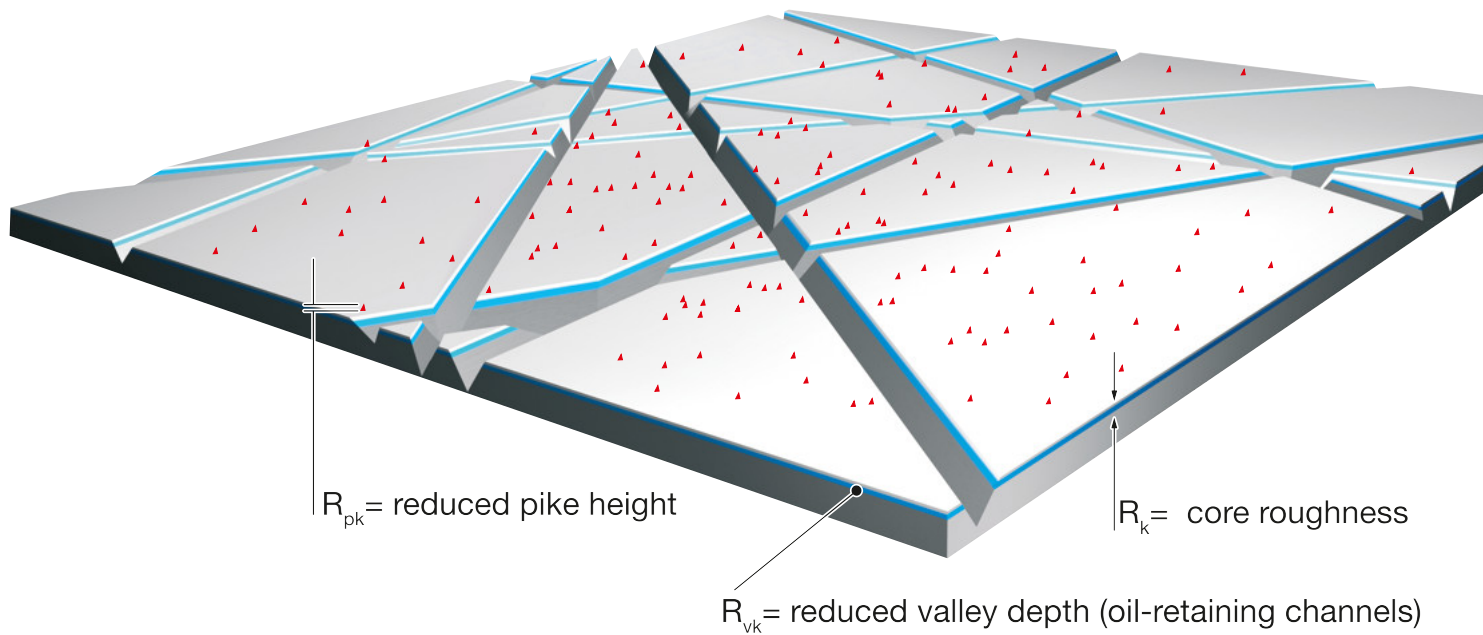
The two-step Superfinishing process of the Supfina RollerFlex 778 generates plateau surfaces with a defined cross-hatch pattern, an optimum profile and roundness as well as a high bearing ratio.

The integrated loading system is very versatile and can be adjusted to different workpiece dimensions quickly. Through the intelligent use of NC-controlled adjusting axes, set-up times of less than 20 minutes are achieved.

- Two or four operating stations
- Two or four Superfinishing units
- Workpiece drive and centering by horizontally arranged support rollers
- NC-controlled adjustment
- Integrated loading and unloading, NC controlled
- Two-step Superfinishing process
- State-of-the-art control system
- Multi-range tooling
- Set-up times < 20 minutes

Supfina RollerFlex

Type	Workpiece Ø	No. of stations
A	10–50 mm	2
B	10–50 mm	4



Convincing Advantages

NC-controlled Superfinishing units

- Fast setting through automatic adjustment of the oscillator
- Optimum quality due to automatic adjustment of the oscillation frequency, optimized for the respective cycle
- Superimposed stroke for Superfinishing of any given profile on parts

Two-step Superfinishing process

- Generation of optimized bearing surface quality
- Extended tool life
- Stone and tape combination process also for cylindrical and tapered roller bearings with logarithmic profile

Two or optionally four operating stations with digital drives

- Improved torque and speed characteristics
- Reduced cycle time
- Additional productivity

Flexible, infinitely adjustable support rollers

- Fast setting process
- Range tooling with only few exchange parts

Large working range and versatility for different workpiece types

- Suitability for small, medium and large size batches
- Optimized for spherical, cylindrical and tapered rollers



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!



Supfina Grieshaber GmbH & Co. KG
Schmelzegrün 7 · 77709 Wolfach / Germany
Phone +49 7834 866-0 · Fax +49 7834 866-200
info@supfina.com · www.supfina.com



Supfina Machine Company, Inc.
181 Circuit Drive · N. Kingstown, RI 02852 / USA
Phone +1 401 294-6600 · Fax +1 401 294-6262
info-na@supfina.com · www.supfina.com



Supfina Grieshaber GmbH & Co. KG
Beijing representative Office
DiYang Tower 1202B
Chaoyang District Beijing 100027 / PR China
Phone +86 10 84536-669 · Fax +86 10 84536-670
supfina@126.com · www.supfina.com