

supfina



Machining of cylindrical
and tapered rollers

ROLLERPRO

Supfina RollerPro

Machining of cylindrical and tapered rollers



The Supfina RollerPro 470 and 478 are the sprinters among the Superfinishing machines. Depending on the workpiece dimensions, hundreds of rollers per minute can be machined in the centerless through-feed process.

At the same time, the highest demands regarding geometrical and surface quality are met.

Modular options available are designed for different levels of automation. Through the intelligent use of NC controlled adjusting axes, very short set-up times are achievable. Transport rollers with an effective length of up to 1100 mm and specific profile designs open up new potentials.

Supfina RollerPro

RollerPro 470 · 480

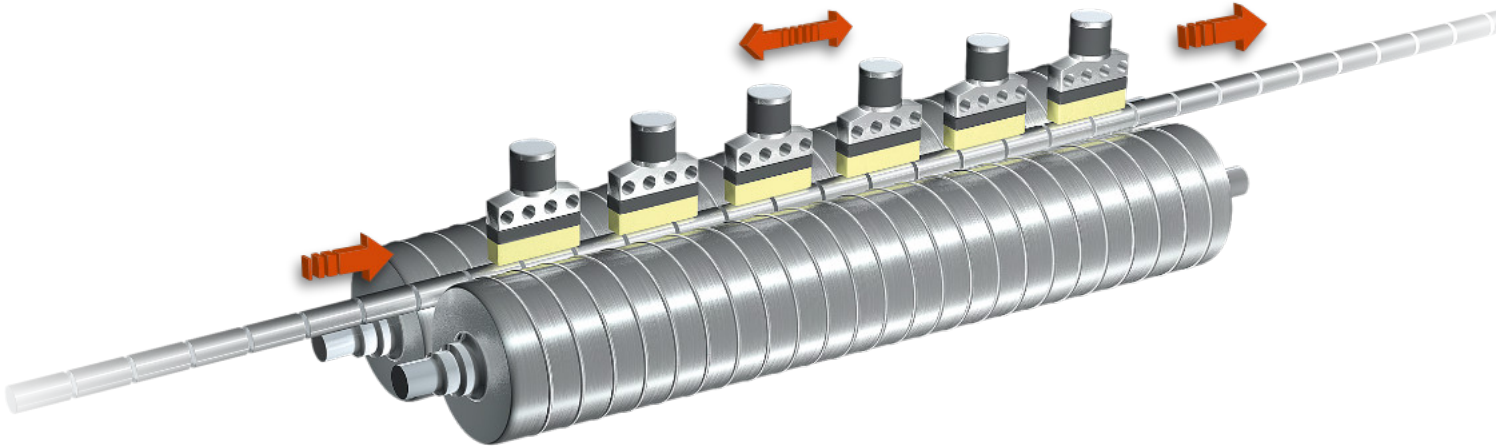
Workpiece diameter	6–100 mm
Workpiece length	up to 250 mm

RollerPro 478 · 488

Workpiece diameter	5–25 mm
Workpiece length	up to 65 mm

On the raceway of antifriction bearing rollers, the centerless through-feed Superfinishing process generates defined crowned or logarithmic profiles.

- Continuous Superfinishing process for high volume production of rollers
- Dynamically balanced pneumatic oscillator
- Vertical Superfinishing unit adjustment for stone and roller change
- Optional superimposed stroke
- Up to 14 stone guides with fast change system
- Infinitely adjustable and individually controllable stone pressure
- Stone wear indication supporting fully automatic operation
- Infinitely adjustable transport roller gap, optionally automatic
- Transport rollers with length of 900 and 1100 mm
- Profiled transport rollers available to generate specific workpiece geometries
- Automatic workpiece feed



Convincing Advantages

Powerful pneumatic oscillator carrying up to 14 stone guides

- High production output through large stock removal
- Long service life and low wear
- No undesired vibrations
- Short set-up time due to quick change systems and automatic vertical adjustment

Flexible transport roller adjustment

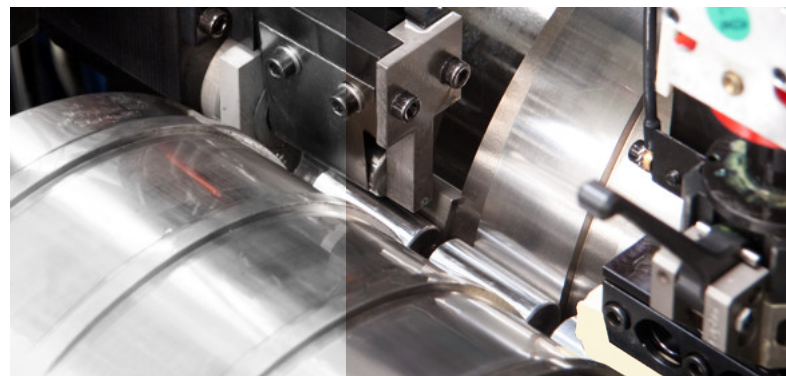
- Large working area
- The setting time can be further reduced by utilizing the optional NC adjustment

Transport rollers with an effective length of up to 1100 mm with optimized profiles

- Increased productivity with production speeds to 9 m/min and beyond
- Generation of fully crowned, cylindrical / convex and logarithmic workpieces

Safety and monitoring devices

- In case of stone wear, the machine stops automatically to avoid damage
- Parts with incorrect orientation or dimension cannot enter the machine
- Operator supervision is reduced to a minimum



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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