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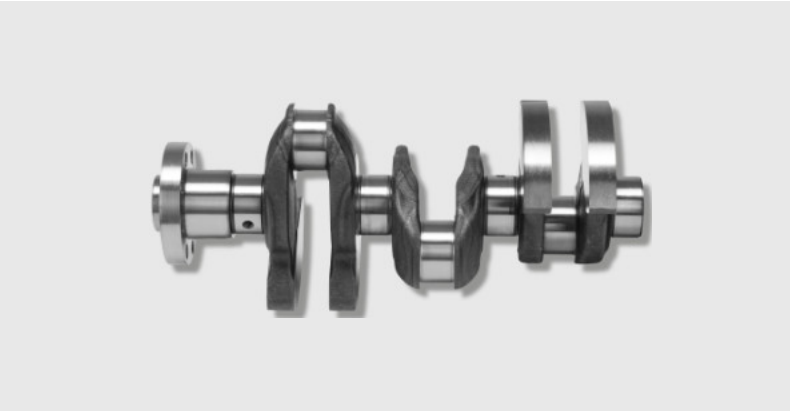


Superfinishing of crankshafts

CENPRO 5

Supfina CenPro S

Superfinishing of crankshafts







The Supfina CenPro S is designed for superfinishing of crankshafts with horizontally arranged finishing units.

Loading is executed from the top of the machine with a gantry loader onto prisms of the integrated loading system.

Afterwards, the crankshaft is being swiveled between the centers of head- and tailstock for clamping.

The shaft is hydraulically clamped between centers and put into rotation. This rotary motion is overlaid by an NC-controlled short stroke oscillation.

As an option, the shaft can be moved between centers to stepwise machine split-pin bearings.

All process parameters can be retrieved at the push of a button from the machine's HMI memory. Depending on workpiece-quality requirements are single or multi-stage processes possible. For this purpose, the machine is modularly designed with the corresponding number of machining stations and equipped with appropriate processing shoes.

Supfina CenPro S	
Workpiece length	max. 500 mm
Workpiece diameter	max. 200 mm
Stroke TDC – BDC	max. 100 mm

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Production line with three stations and gantry loader





Convincing Advantages

Horizontal machine design

- Excellent accessibility to all components
- Easy view of the machining process
- Operator-friendly design

Single or multiple station; modular design

- Flexible equipment to match different workpiece geometry and surface-finish requirements

Optimized tape management

- Superfinishing tapes up to 300 m long and automated tape disposal, even during automatic operation
- Reduced machine downtime thanks to extended tape-change cycles and disposal parallel to the production process

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!

www.supfina.com

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