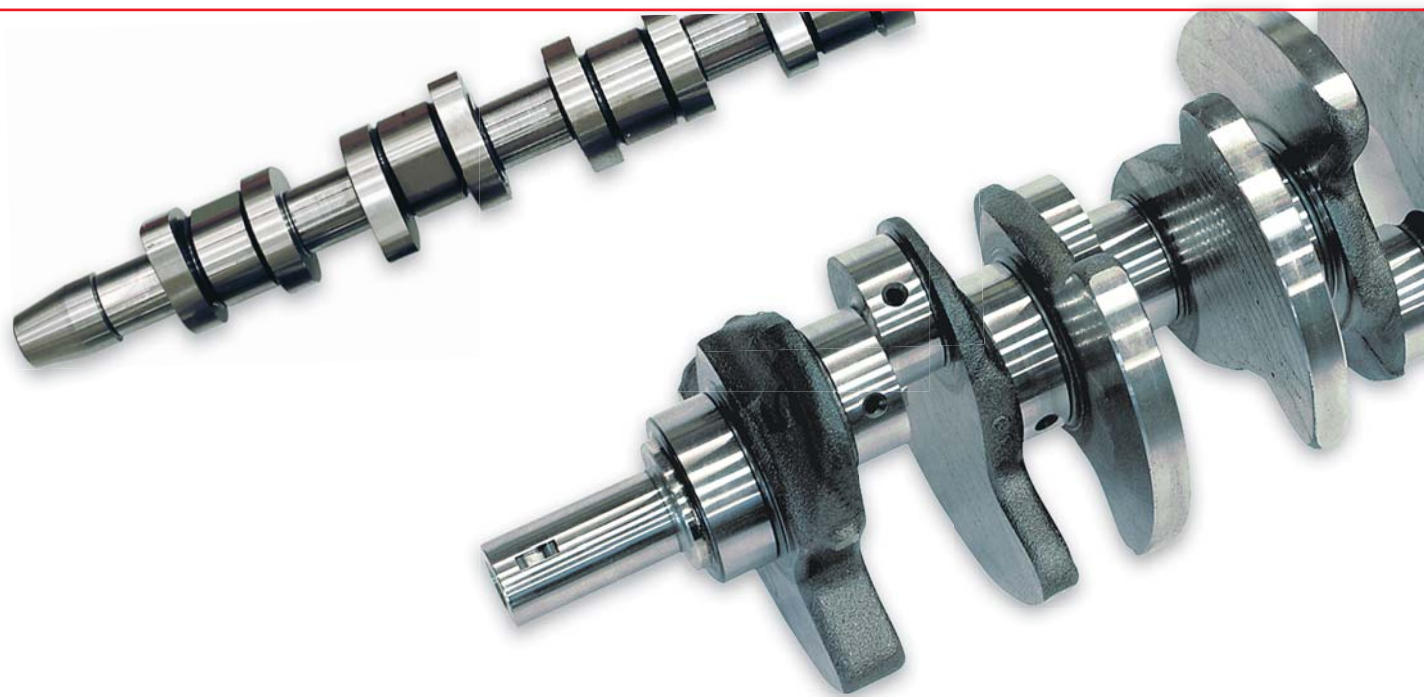


Superfinishing-Machine

Supfina CenPro



**Horizontal machining
of crankshafts and
camshafts**



Superfinish

Horizontal machining of
crankshafts and camshafts

supfina CenPro

Max. distance between centres:	850 mm
Max. stroke:	100 mm
L x W x H of each station:	3 x 2.5 x 2.5 m
Loading height:	1225 mm



*Supfina 720/3 CenPro
for 4-cylinder crankshafts*

Our system features → your benefit

Horizontal machine design

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

Single or multiple station, modular design

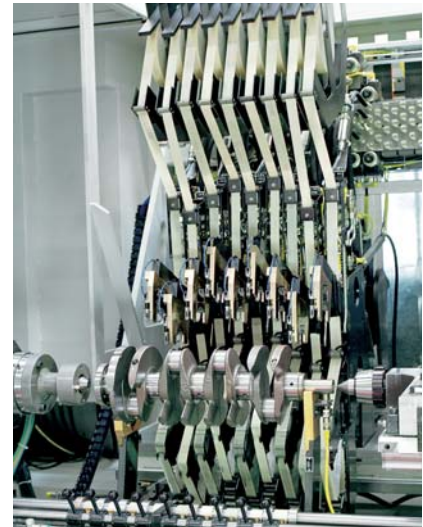
- Flexible equipment to match different workpiece geometry and surface finish requirements

Loading with gantry loader or overhead transfer

- Easy integration into the workflow of your production line

Optimized tape management with superfinishing tapes up to 300 m in length and automated tape disposal, even during automatic operation

- Reduction in machine downtimes thanks to extended tape-change cycles and disposal parallel to the production process



For machining of crankshafts with tight spacing, the units for finishing the crankpins and main bearings are arranged on different guideways.

The Supfina CenPro is designed for the series production of various designs of crankshafts and camshafts with the units horizontally arranged.

As an option, the shaft can be moved between centres to enable split-pin bearings to be machined sector by sector.

Therefore, the machine is set up as a modular system with the required number of stations and the appropriate machining shoes.

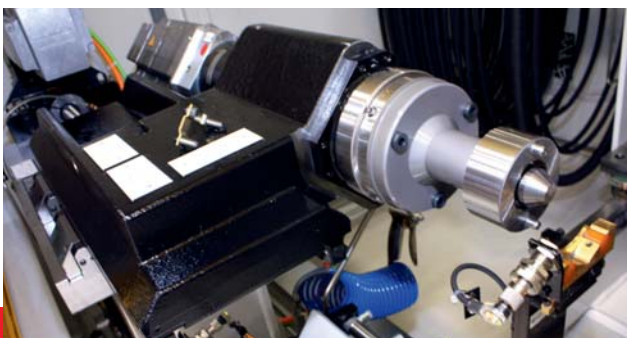
Workpieces are loaded by gantry directly onto V-prisms between the tailstock and headstock centres.

All process parameters can be retrieved at the push of a button from the technology memory in the machine controller. Depending on the workpiece quality requirements, it is possible to choose between single and multistage processes.

In-process gauging during pre-finishing or brushing operations for deburring can be installed as an option.

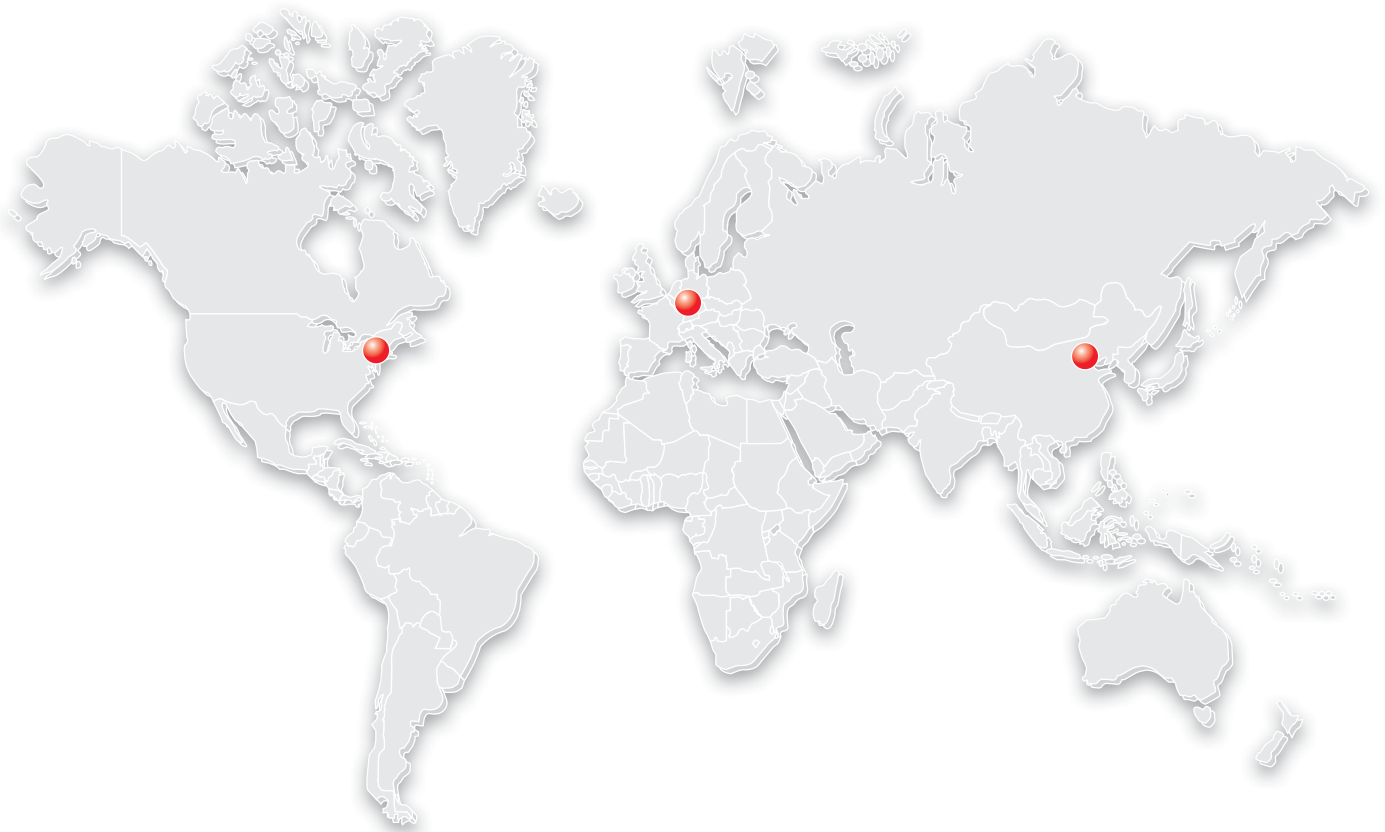
The shaft is hydraulically clamped between centres and rotates, the rotary motion is overlaid by a short-stroke NC-controlled oscillating movement.

NC headstock with rotation, variable oscillating frequencies and programmable oscillating strokes



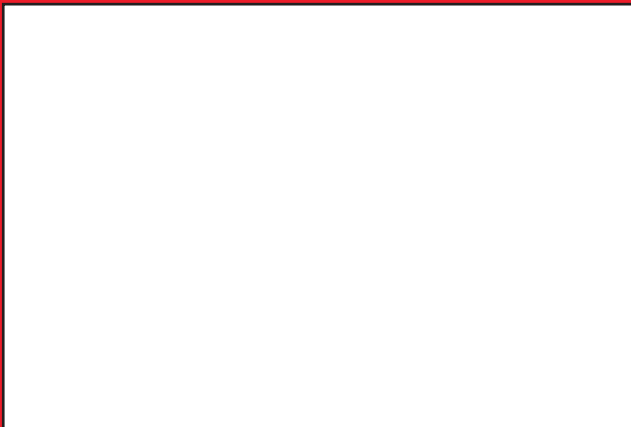
Brushing station for deburring camshafts





With locations in America and Asia and over 50 distributors worldwide we can offer customers comprehensive global service.

Surface Finishing Systems
www.supfina.com



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@supfina.com · www.supfina.com



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