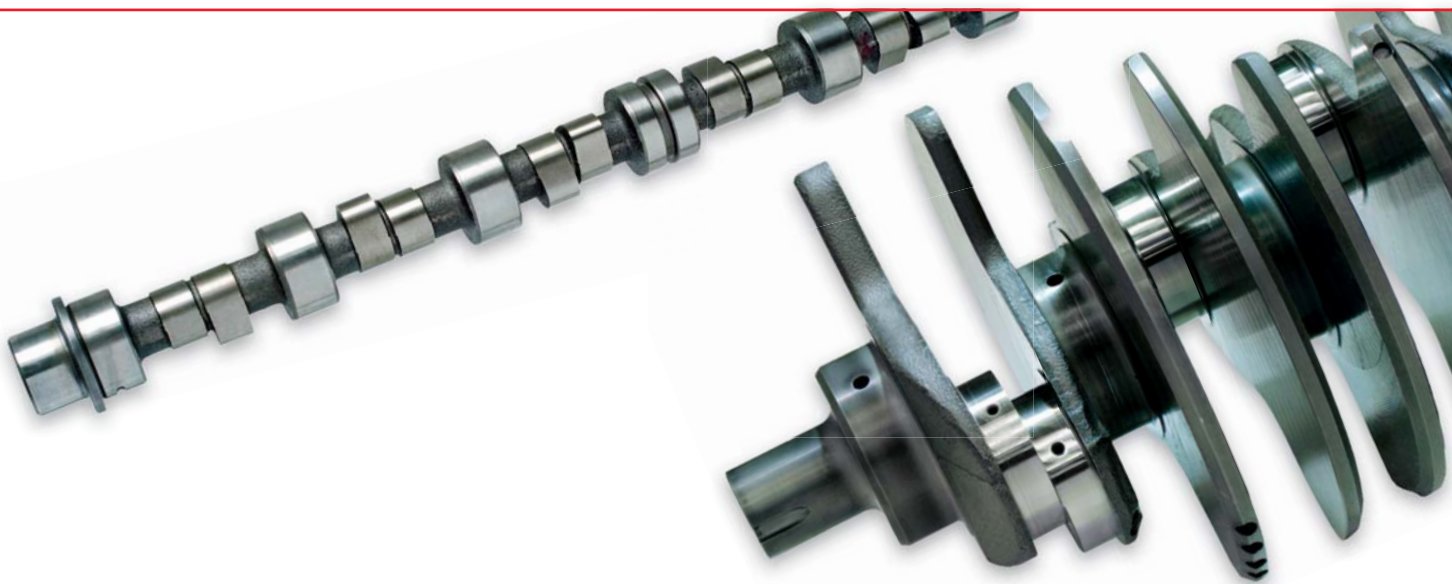


Superfinishing-Machine

Supfina BaseFlex



**Vertical machining
of crankshafts and
camshafts**



Superfinish

Vertical machining of crankshafts and camshafts

supfina BaseFlex	800	1300	1500
Max. distance between centres:	850mm	1300mm	1500mm
Max. stroke:	100mm	180mm	200mm
L x W x H of each station:	3 x 2.5 x 3 m	4 x 2.5 x 3,5 m	4 x 2.5 x 3,5 m
Loading height:	1050mm	1000mm	1000mm

Supfina 720/4 BaseFlex 800 with walking beam and spin-off station





supfina



Cardanic cam-shell provides ideal cam profile finishing.



Interchangeable shells enable workflow to be adapted to a range of workpiece geometries.

Our system features → your benefit

Vertical machine design

- Compact machine footprint thanks to integrated workpiece feed

Single or multiple station, modular setup

- Flexible equipment designed to match different workpiece geometries and surface finish requirements

Loading with walking beam or pallet system

- Easily integrated into the workflow of an existing production line environment
- Possibility to create workpiece buffer zones

The Supfina BaseFlex is designed for both series production and flexible finishing of different types of cam- and crankshafts with vertically arranged units.

Workpieces are loaded either with a walking beam or a pallet system. The shaft is placed between the centres of headstock and tailstock.

The shaft is hydraulically clamped between centres and begins to rotate; the rotary motion is overlaid by a short-stroke NC-controlled oscillating movement.

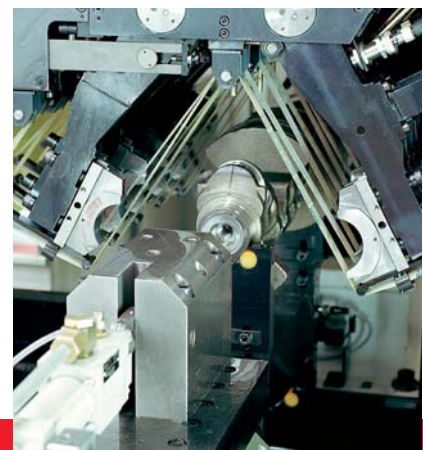
All process parameters can be retrieved at the push of a button from the technology memory in the machine controller.

The superfinishing units are installed on a slide above the machining level. The entire unit slide can be moved to the service position at the side for maintenance work and tape change.

As an option, the slide can be equipped with an NC axis and the shaft can then be automatically machined sector by sector.

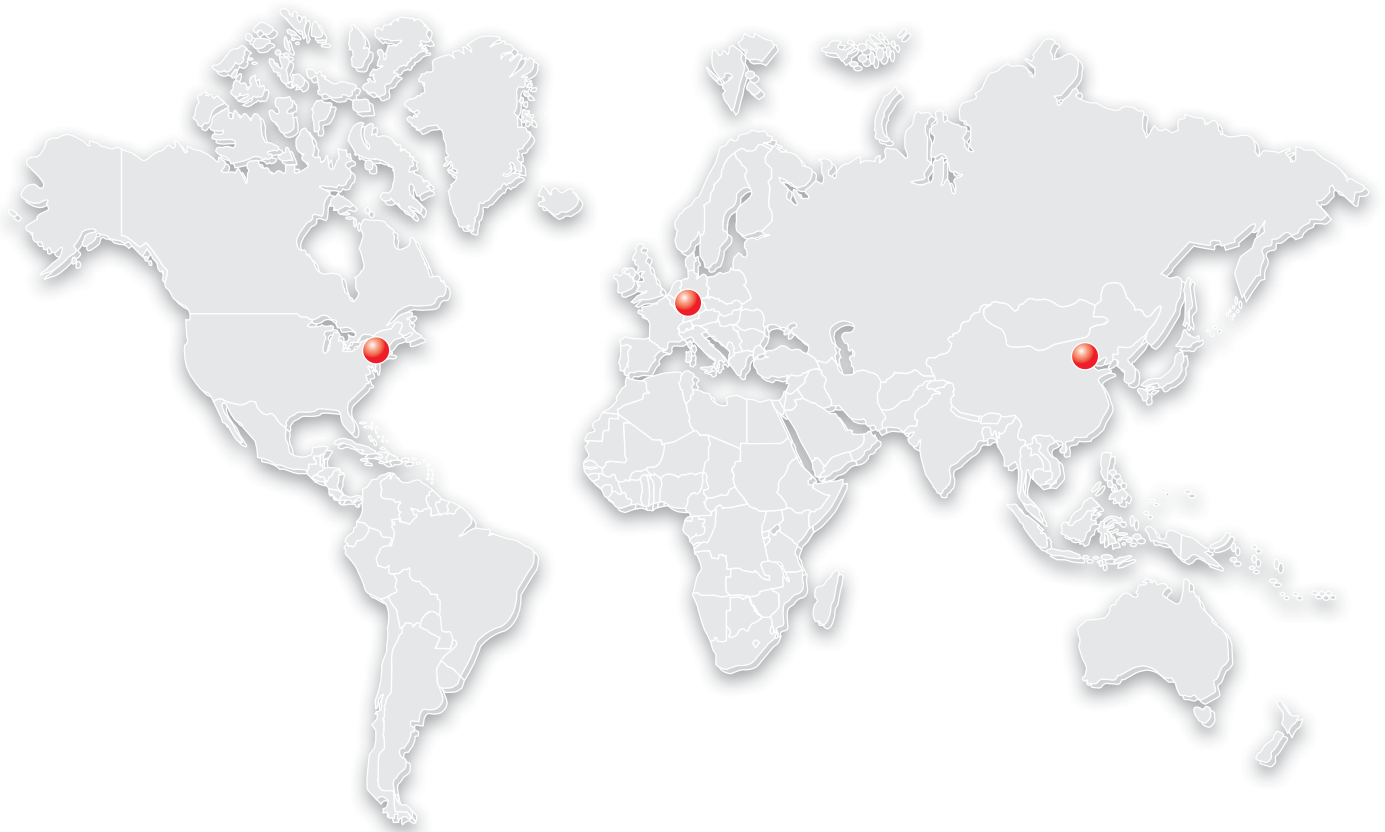
Depending on the workpiece quality requirements, it is possible to choose between single and multistage processes. Therefore, the machine is set up as a modular system with the required number of stations or unit blocks and the appropriate machining shoes.

Superfinishing units installed above the machining level



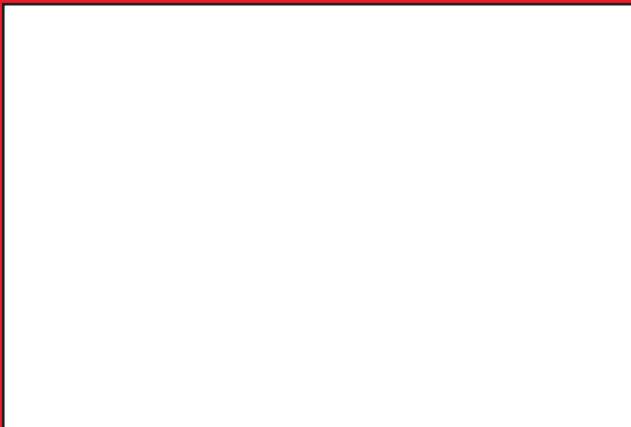
Optimized Supfina tape management for optimum process capability and minimized tool costs





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

Surface Finishing Systems
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