



# SUPERFINISH

## Vertical machining of gearshafts



### Our offer

#### ⇒ your benefit

##### Vertical machine design

- ⇒ Compact machine layout, thanks to the integrated workpiece conveyor

##### Modular design with one or more stations

- ⇒ Adaptable equipment according to workpiece geometry and surface requirements
- ⇒ Adaptable superfinishing strategy, depending on your preliminary machining parameter

##### Loading by means of walking beam or pallet system

- ⇒ Straightforward integration into the flow of workpieces along the entire production line

##### Integrated oil spinning station

- ⇒ Environmentally friendly production assured by reduced carryover losses

### supfina 722/1

Max. distance between centers:	850 mm
Max. spinning speed:	2500 rpm
LxBxH per station:	2.5 x 2 x 2,8 m

# supfina 722/1



*For machining between centers, the shaft is clamped between the tailstock and headstock and set into rotary and oscillating movement*



Of vertical configuration, the Supfina 722 is designed for the mass production of the most wide ranging types of gearshaft.

For insertion purposes, a walking beam, pallet system or gantry loading system is available.

Machining shoes, which enclose the entire bearing, are mounted to clamping units.

For limited amounts of stock removal, these shoes are configured as half-shoes which are brought into contact with the bearings on one side, from above.

Single- or multi-stage processing can be performed, depending on the quality required of the workpiece. Therefore, the machine consists of modular stations and superfinishing units equipped with special machining shoes.

## Gearshaft (steel, case hardened)



### Results

Ra < 0.2  $\mu\text{m}$   
Single-stage process  
Cycle time including loading, 24 s

### Results Grinding / Finishing

