



# SUPERFINISH

Machining of toothed racks



## Our offer

⇒ your benefit

Machining of bearings and tooth flanks

⇒ Optimum equipment of the machine with units for a variety of machining tasks

Vertical series with loading by walking beam or pallet system

⇒ Compact machine layout, thanks to the integral workpiece conveyor

⇒ Conveyor system serves as workpiece buffer store

Horizontal series with manual or automatic gantry loading

⇒ Outstanding accessibility to all components

⇒ Clear view of the machining process

⇒ User-friendly

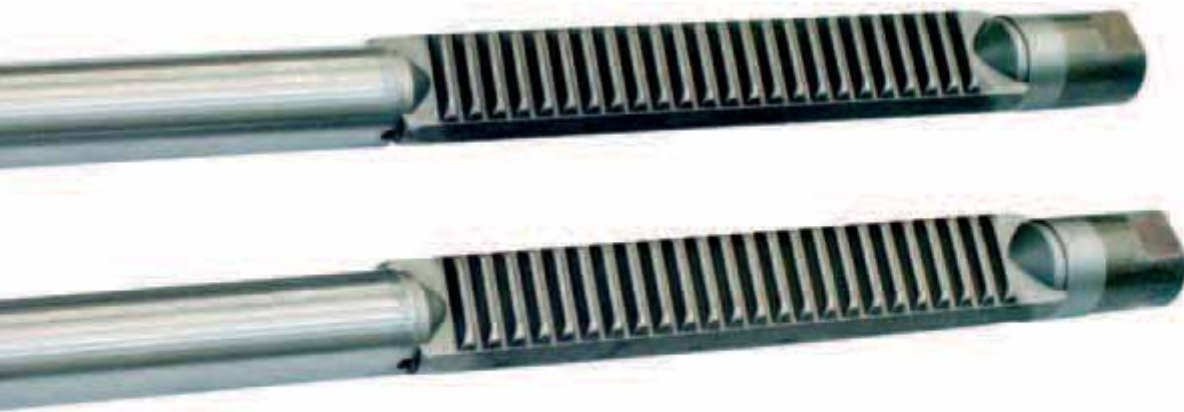
### supfina 722/1

Max. distance

between centers: 850 mm

LxBxH per station: 2.5 x 1.7 x 2.7 m

# supfina 722/1



Supfina 722 in vertical configuration



The advancement of the tape after every machining cycle guarantees consistent results

Both the vertical and horizontal versions of the Supfina 722 are designed for the mass production of toothed racks.

The vertical model, with walking beam or pallet system, permits loading automatically or manually, while the horizontal model provides for gantry or manual loading.

For machining between centers, the shaft is clamped between the tailstock and headstock and is driven by friction or with chucks.

For the superfinishing process, the entire processing length of the workpiece is traversed fully automatically.

Single- or multi-stage processing can be performed, depending on the quality required of the workpiece.

Therefore, the machine can be equipped with the appropriate number of tape units which traverse along the machined area in succession.

## Steering rack (steel, hard chromium plated)



### Results

Rz < 1  $\mu\text{m}$   
 Ra < 0.1  $\mu\text{m}$   
 Single-stage process  
 Cycle time incl. loading, 25 s

### Results Grinding / Finishing

