



# Microfinish for Antifriction Bearing Rollers

## Infinity



### Microfinish Task

- Through feed finishing of cylindrical or taper rollers
- Generating of roller profiles with logarithmic edge drop and straight center area

### Microfinish Advantages

- Improvement of roundness, roughness, bearing ratio, and noise level of the bearing
- Reduction of load peaks which results in an increase of bearing life

### Special Machine Features

- Good accessibility to the machining area
- Large transport roller length of up to 1,100 mm
- AC-servo controlled direct drives for the transport rollers
- Pressure control of the tool carriers by proportional valves
- Fast tool change and short changeover times



Good accessibility to machining area

Large transport roller length up to 1,100 mm



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Pressure control by proportional valves

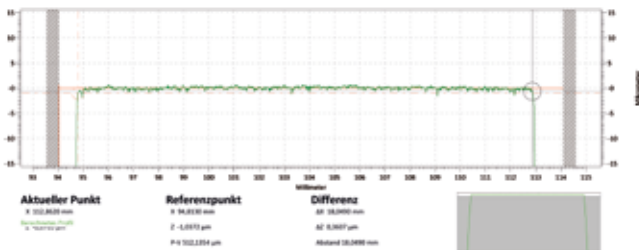
Fast change stone holders

Short changeover times

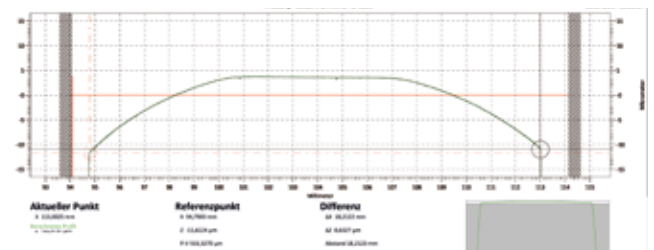
## Infinity

The Infinity is the solution for through feed finishing of cylindrical rollers and taper rollers.

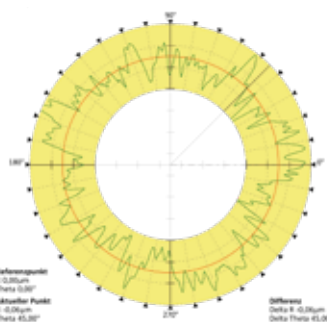
- Stone contact pressure, stone feeding and retract by means of electric proportional valves
- Fast change stone holders
- Split bearing housings for fast transport roller change
- NC-controlled vertical slide for Microfinishing unit via AC-servo drive (Power Lift)
- Optional use of automatic loading/unloading systems with part storage capacity
- 3-mass oscillator, pneumatically driven



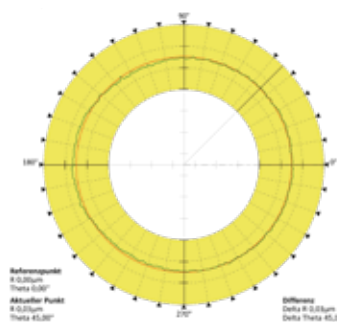
Roller profile before Microfinishing



Roller profile after Microfinishing



Roundness before Microfinishing



Roundness after Microfinishing

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