



# 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, fast tool change and short changeover times, pressure control of the tool carriers by proportional valves



Good accessibility to machining area

Large transport roller length up to 1,100 mm



[www.thielenhaus.com](http://www.thielenhaus.com)



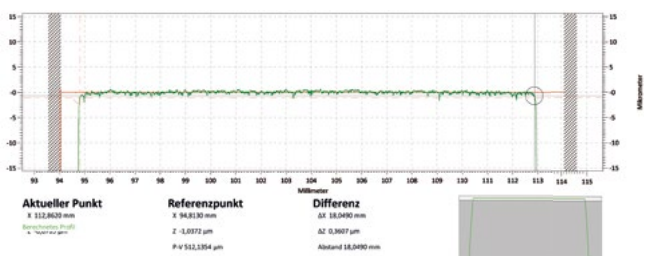


- Pressure control by proportional valves
- Fast change stone holders
- Short changeover times

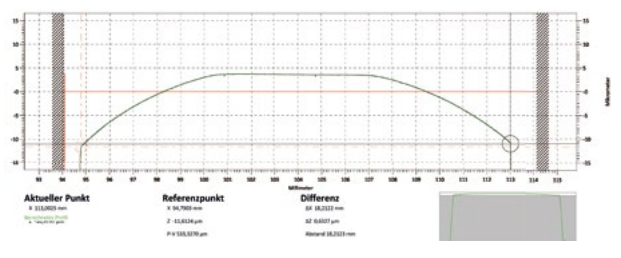
# Infinity

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

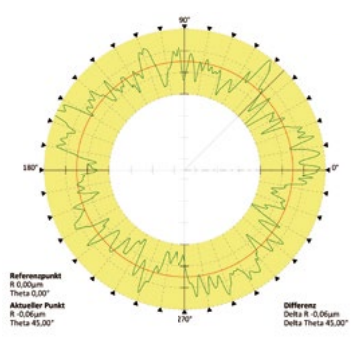
- Stone contact pressure, stone feeding and retract by means of electric proportional valves
- Fast change stone holders
- Split bearing housings for fast transport roller change
- NC-controlled vertical slide for Microfinishing unit via AC-servo drive (Power Lift)
- Optional use of automatic loading/unloading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



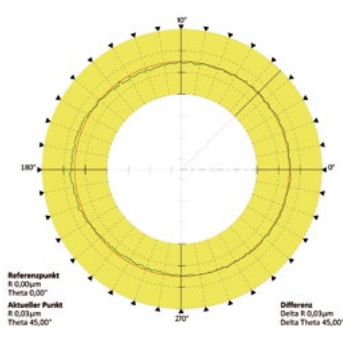
Roller profile before Microfinishing



Roller profile after Microfinishing



Roundness before Microfinishing



Roundness after Microfinishing

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