

Fastest  
Bearing Microfinish

# Ultra-Precision Microfinish for Bearings With Lean Cost to Perfect Quality

## BS 90



- + Extreme short cycle times
- + Loading and unloading in 1.8 sec
- + Ball and roller bearing rings
- + 1- or 2-step machining
- + 1- or 2-row bearing rings
- + Small footprint
- + Excellent accessibility
- + Price/performance

### Features

- Mechanical radial or linear oscillation unit
- Mechanical adjustment of raceway position
- P2-class raceway quality
- Automatic programming
- Driver height adjustment

### Options

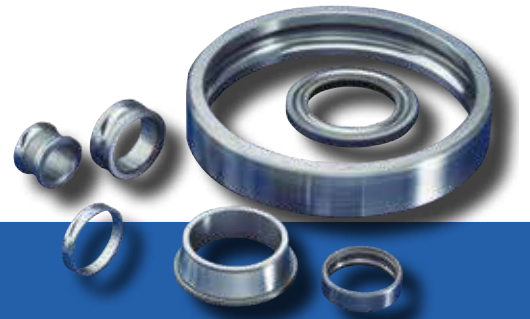
- XL-version with maximum outer diameter Ø 120 mm
- Direct drive radial or linear oscillation unit
- NC-axis adjustment of raceway position
- HyperFinish® technology
- Menu-guided setting



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# The Power of Precision.

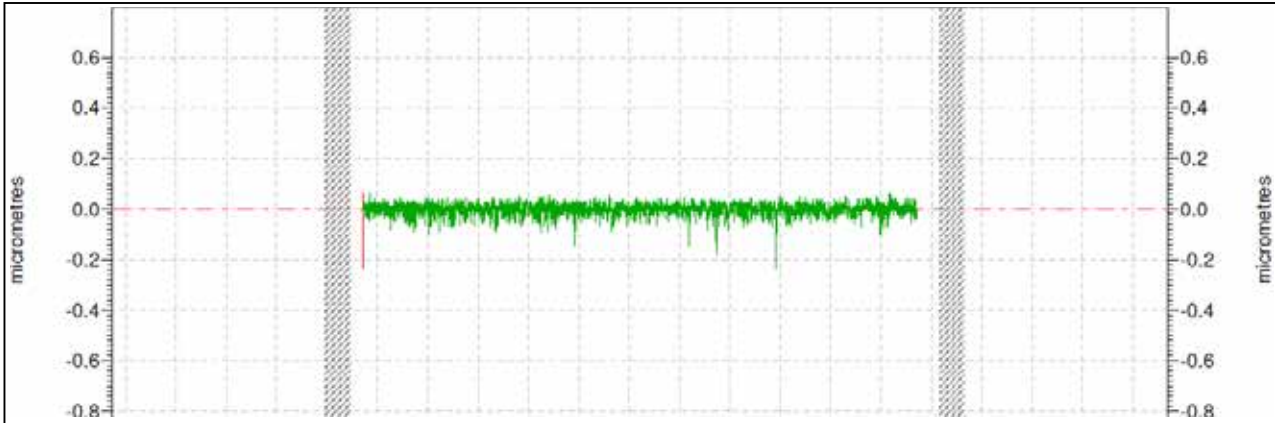


## Working range

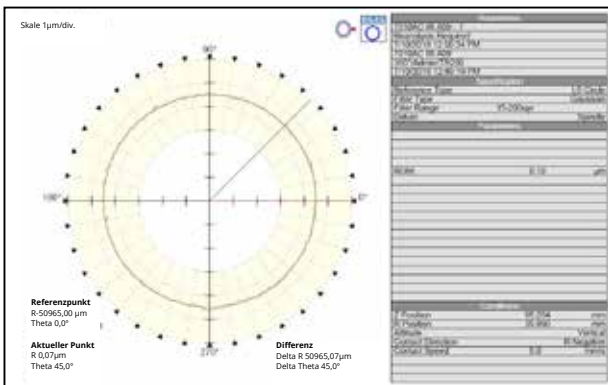
- Outer ring outer diameter  $\varnothing$  26 – 90 mm
- Inner ring bore diameter  $\varnothing$  10 – 50 mm
- Ring width 8 – 55 mm

## Machining example:

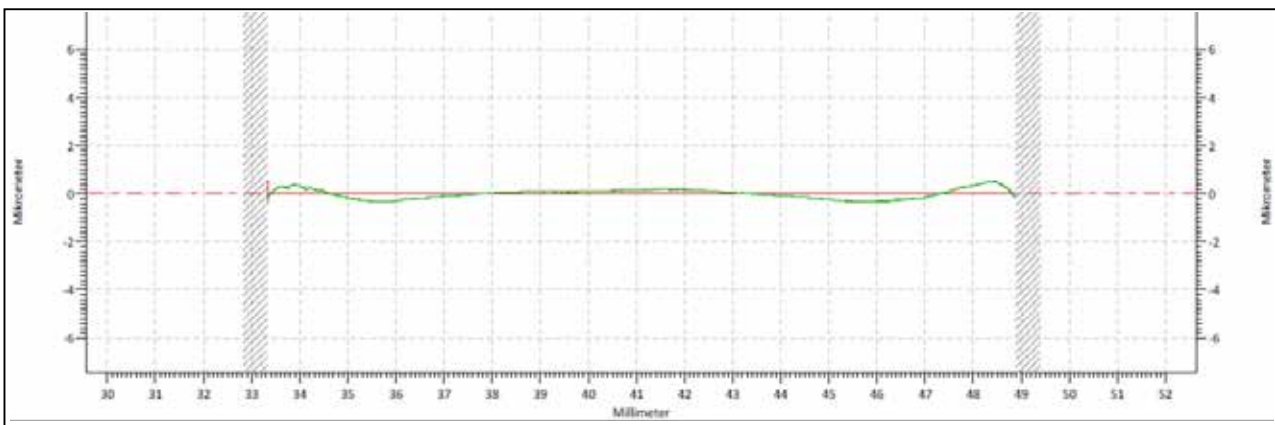
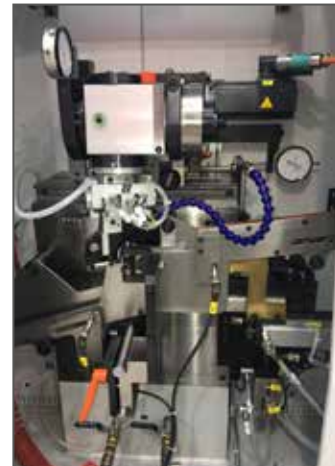
2-step Microfinish of the raceway of Angular Contact Ball Bearing (ACBB) inner ring, type 7010C with MICROTOOL honing stone at station 1 and 2 of BS90 machine



Roughness: Ra 0.0168  $\mu$ m



Roundness: 0.16  $\mu$ m, filter 2–200



Cross profile: Pt 0.7200  $\mu$ m

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