



Made in Germany

# Optical scale KOBA-optima II

System for traceability  
and monitoring of  
photogrammetry and  
theodolite systems



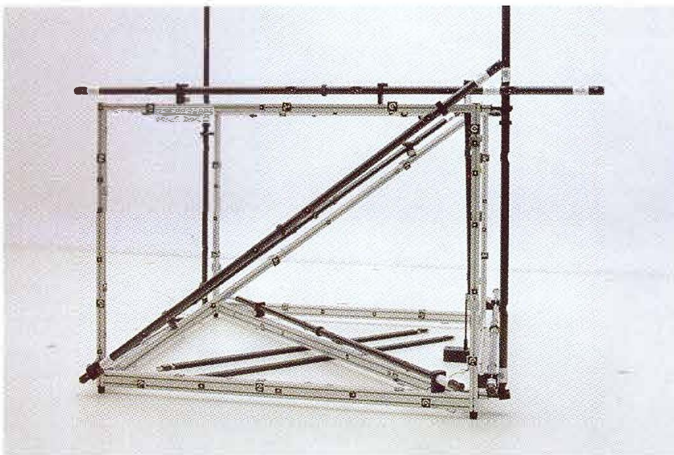
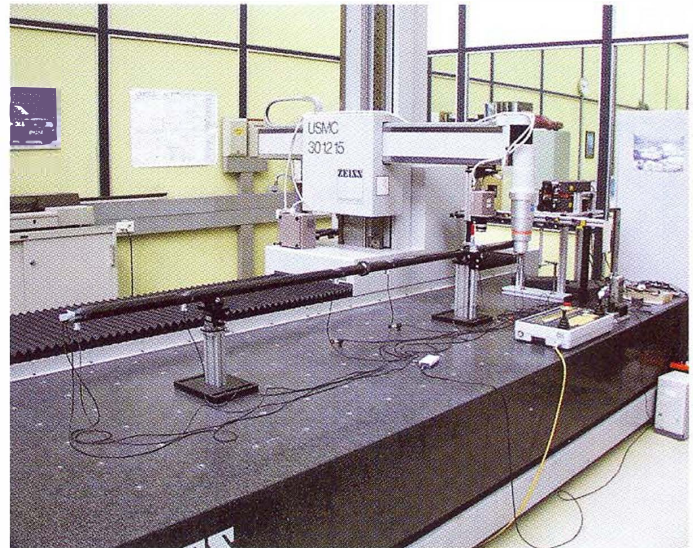
## DELIVERY PROGRAMME AND SERVICE:

- Gauge blocks
- Gauge block accessories
- Step gauge KOBA-step
- Sphere plate KOBA-check
- Ball Bar
- Thread gauges
- Cylindrical gauges
- Flat gauges
- Precision parts
- Spline gauges
- KOBA-calibration service
- DKD-calibration laboratory

**KOLB & BAUMANN GMBH & CO. KG**  
PRECISION MEASURING TOOLS MAKERS  
D-63741 ASCHAFFENBURG · DAIMLERSTR. 24  
FEDERAL REPUBLIC OF GERMANY  
PHONE +49 (60 21) 34 63-0 · FAX +49 (60 21) 34 63-40  
Internet <http://www.koba.de> · e-mail: [messzeuge@koba.de](mailto:messzeuge@koba.de)

### Properties:

- high short and long term stability
- thermal coefficient of expansion close to zero
- simplest handling
- low weight
- conforms to VDI/VDE 2634
- standard that can be calibrated to DKD



### Range of applications:

- traceability of measurements done with photogrammetry or theodolite systems
- calibration of photogrammetry or theodolite systems

### Features:

- stable two-part scale body out of CFC-tube which is non-sensitive to humidity, screw joint with best reproduction
- six CFC-target holder with 130° opening
- high precision targets out of glass with chromium layer designed as blind with  $\text{\O} 10 \text{ mm}$  and concentrically positioned rings of 1.25 mm internal diameter and 0.25 mm hairline.
- 15 individual measuring distances (up to 2588 mm length) on a single scale
- highest rigidity at low weight by using high-module carbon fibre
- flexible fastening clips for universal arrangement of the scales in the measuring volume

