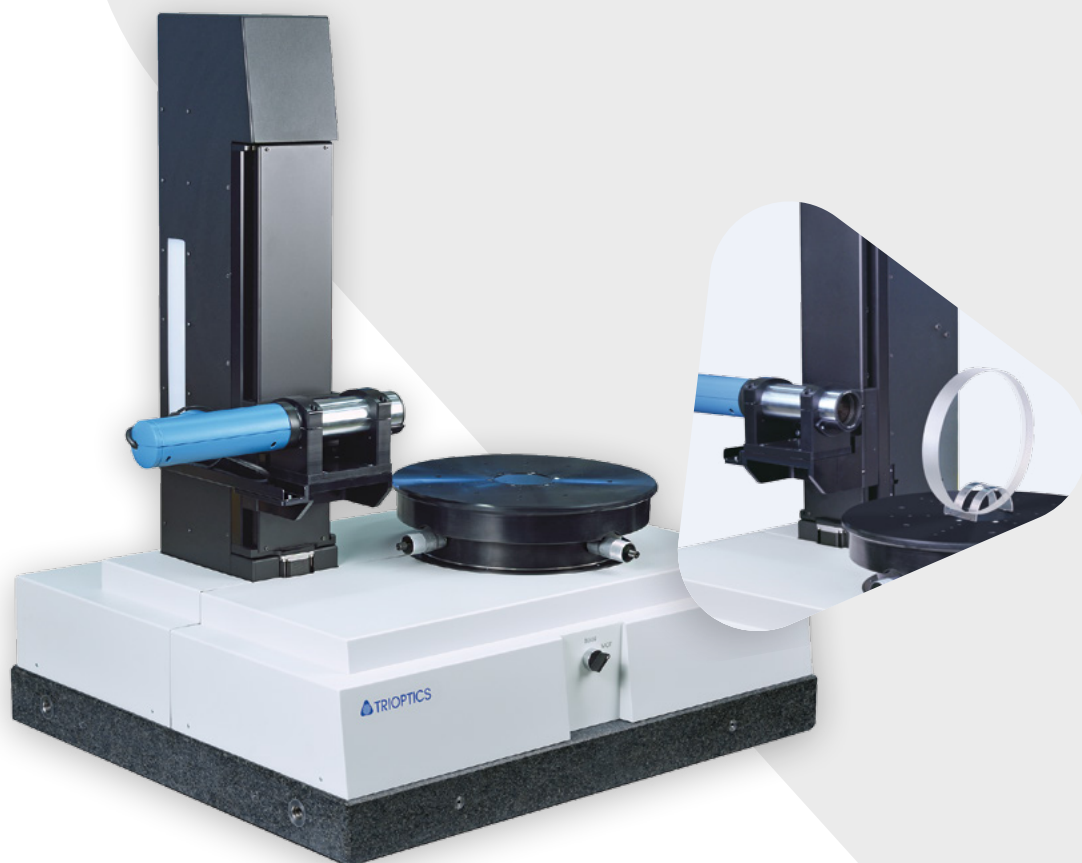




PrismMaster[®] HR 300 MAX

High Precision Goniometer
for Large Samples



PrismMaster® HR 300 MAX

The PrismMaster® 300 HR MAX is a fully automated, high precision prism goniometer with motorized z-stage that has been developed for the measurement of large samples with a diameter of up to 420 mm.



Key Features

- All granite and steel frame for highest mechanical rigidity and thermal stability
- Vibration resistant for operation directly on the shop floor
- Ultra-stable and accurate rotary air bearing with axial/radial run out less 50 nm
- Precise motorized prism rotation and alignment
- Outstanding absolute accuracy achieved in a single measurement

Specifications

- Measurement accuracy: +/- 0.4 arcsec
- Focal length of the autocollimator: 300 mm
- Diameter of sample table: 400 mm
- Maximum sample size: 420 mm
- Maximum payload: 50 kg

Software PrismMaster 3D

- Automated measurement process for standard samples
- Three different user levels
- Measurement of angles between surfaces, tilt and pyramidal error
- Automatic horizon calibration for high accuracy pyramidal error measurement
- Mask for entering the sample design file, save and load functionality

