With MeX 6.1 Alicona provides a milestone in traceable metrology with the SEM

MeX automatically merges single measurements from various directions into a complete 3D data set

If required, a component can be measured in 3D from different perspectives. Measurements from various positions are automatically merged into a complete 3D data set. The “Real3D” technology allows the component’s visualization from different angles plus a measurement of contour, difference to e.g. measure wear, and form. This way, surface parameters such as undercuts that are normally difficult to access are measured quickly and effortlessly.

**Contour Measurement**
Users measure angles, distances, circles, incircles, circumcircles, thread pitch etc. from every position. In addition, the contour measurement module includes roundness measurement.

**Difference Measurement**
Difference measurement is used to numerically compare two different geometries.

**Form Measurement**
Automatic fitting of spheres, cones and cylinders allow the visualization and form measurement of tools and other components.

Contour, difference and form measurement complement already existing measurement modules:
- **Profile-Form Measurement**
  - Height steps, radii, angle measurement etc.
- **Profile-Roughness Measurement**
  - Ra, Rq, Rz according to ISO 4287, 4288
- **Surface Texture Measurement**
  - Areal roughness measurement according to ISO 25178
- **Volume Measurement**
  - Verification of voids and protrusions
- **2D Image Analysis**
  - Manual or semi automatic measurement of simple primitives

**Questions about upgrading?**
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