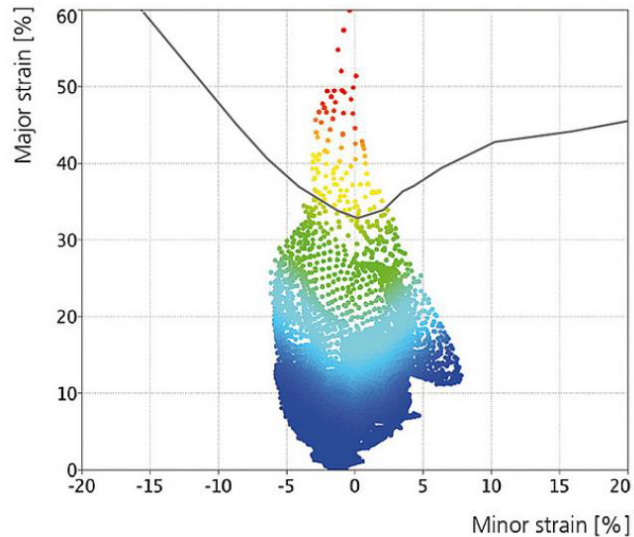


Metrology capability

GOM Argus

**Purpose**

High-resolution images used to capture the molded part are evaluated by the ARGUS software. From the 3D coordinates of the object points, the actual results of the shape changes and the sheet thickness are calculated, taking into account the component geometry and according to the rules of the plasticity theory. This makes the ARGUS software suitable for a wide range of tasks in the field of sheet metal forming, such as detection of critical deformation areas, solving complex forming problems, optimization of forming processes, evaluation of tools, and adjustment and optimization of numerical simulations.

Specifications

- Comfortable interface for different camera types
- Automatic multiple image capture in difficult contrast conditions
- Automatic calculation of 3D surface coordinates and local deformation of the surface with strains
- Calculation of thickness reduction and deformation
- Calculation of yield stress with known flow curve