The new MICRON3D color 10MPix provides resolution of up to 400 points/mm² and acquires texture of the object in each measurement point (X, Y, Z with RGB).
User-friendly SMARTTECH3Dmeasure software enables a quick start and guaranties optimal data processing even for non-professionals. Software enables advanced and automated data post-processing such as advanced cloud of points or triangle mesh edition. Due to large amounts of collected data the environment has been designed for seamless work with data exceeding 300 million points, which gives user the freedom to choose a level of detail he wants to work on.

Technical advantages:
- Highest quality components
- German high resolution and sensitive color sensors
- Precise measurement up to 15 μm accuracy
- Full carbon fiber housing

Perfect measuring machine for industry. New generation of optical CMM.

Colour information used in industry gives more control possibilities (cracks visible only on texture)
First metrology certified 3D digitizer giving accurate information about shape and color of measured object.

Integration with optional automatic shadeless system ensures realistic texture.

Metrologically reliable digitiser with ability to measure shape and color of objects. MICRON3D color 10Mpix has ability to scan dark and shiny surfaces. The result of scanning is a color model with texture (cloud of points X,Y,Z with RGB).

<table>
<thead>
<tr>
<th>Technical specification</th>
<th>5 Mpix</th>
<th>10 Mpix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scanning technology</td>
<td>White LED structured light</td>
<td>White LED structured light</td>
</tr>
<tr>
<td>Measuring field [mm²]</td>
<td>150 x 200</td>
<td>200 x 300</td>
</tr>
<tr>
<td>Distance between points [mm]</td>
<td>0,078</td>
<td>0,117</td>
</tr>
<tr>
<td>Sampling [points/mm²]</td>
<td>164</td>
<td>73</td>
</tr>
<tr>
<td>Accuracy [μm]</td>
<td>15</td>
<td>40</td>
</tr>
</tbody>
</table>

Optional accessories:

- Easy & fast change of measurement volume with exchangeable lenses
- Automated rotary stages:
  - max load 15kg, 200mm diameter
  - max load 60kg, 500mm diameter
  - max load 300kg, 500mm diameter
- Automatic Shadeless Lighting System
- Waterproof transportation case

www.smarttech3d.com