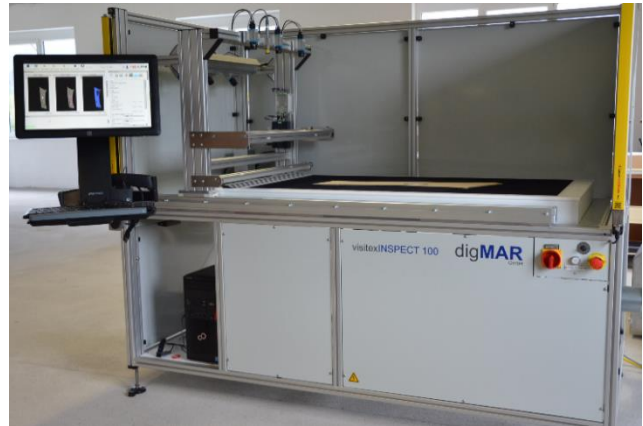
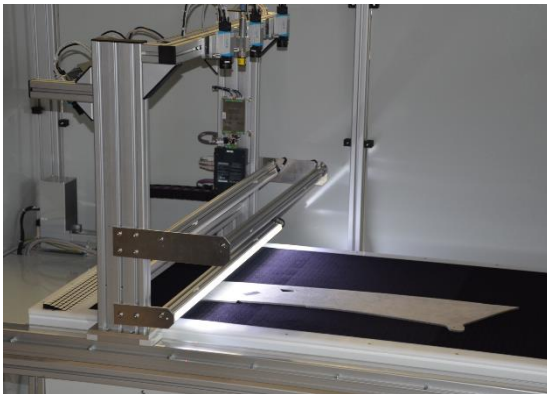


**OPTICAL INSPECTION SYSTEM
for TEXTILE CUTTINGS**

The digMAR - visitex**INSPECT 100** inspection system was developed for the optical measurement and inspection of textile cuttings. Fields of application are in various industries e.g. automotive.



visitex**INSPECT 100** inspection system

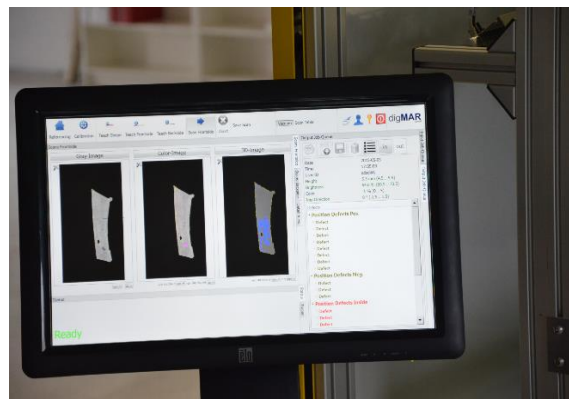


Scanning a textile cutting

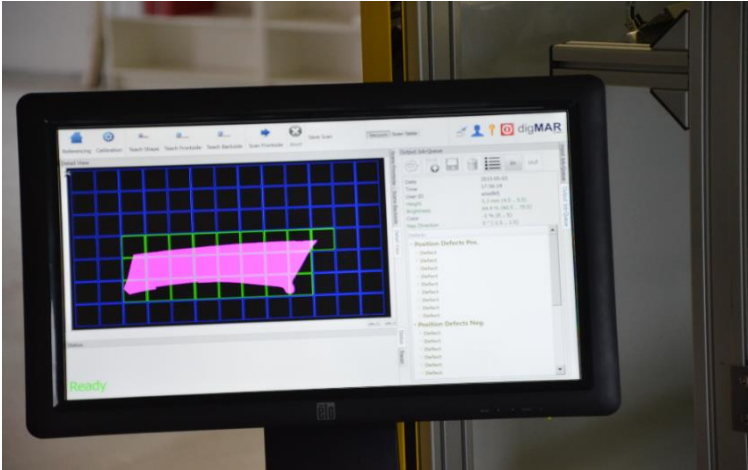
Manually placed cuttings are automatically scanned using a Hi-Tec camera system consisting of 6 high definition color and monochrome cameras. A built in laser measurement system generates 3D images to take height relevant measurements.

The analysis-software is optimized for Multi-Core Architecture of modern CPU's and the intuitive user interface can be conveniently handled by touch-operation. Front and optionally backside are evaluated by the following criterions:

- Dimensions
(internal and external contours, holes)
- Material height and height errors
(e.g. dents and wrinkles)
- Material color and color errors
- Material grain and texture errors
- Nap direction
- Unusual problems such as dirt, stains, surface defects etc.



Meaningful illustration of the results and convenient touch-operation



New Technology: vacuum table with 91 zones

A further special feature of visitexINSPECT 100 is the vacuum table used for accuracy reasons to fix the cuttings.

This uses 91 separately controllable segments that are automatically controlled depending on the outline of the cutting, thus reducing the vacuum power requirements whilst improving the applied vacuum. This is a new technology that can be applied in other industrial areas as well.



State of the art camera technology

Technical specification

- Scan area: 1250 x 780 mm
- Scan speed: 125 mm/sec.
- Camera resolution: 0.2 mm/pixel
- Height resolution: 0.3 mm
- Material thickness: 0.5 mm to 10.0 mm
- Vacuum table with 91 separately controllable segments
- 5.5 kW Vacuum pump with filter and noise protection housing
- Optimized analysis-software (Multi-Core Architecture) with touch display

For further information of visitexINSPECT 100, and for further products from digMAR, please contact us by telephone or email. We welcome discussions for individual solutions based on image recognition and look forward speaking to you.