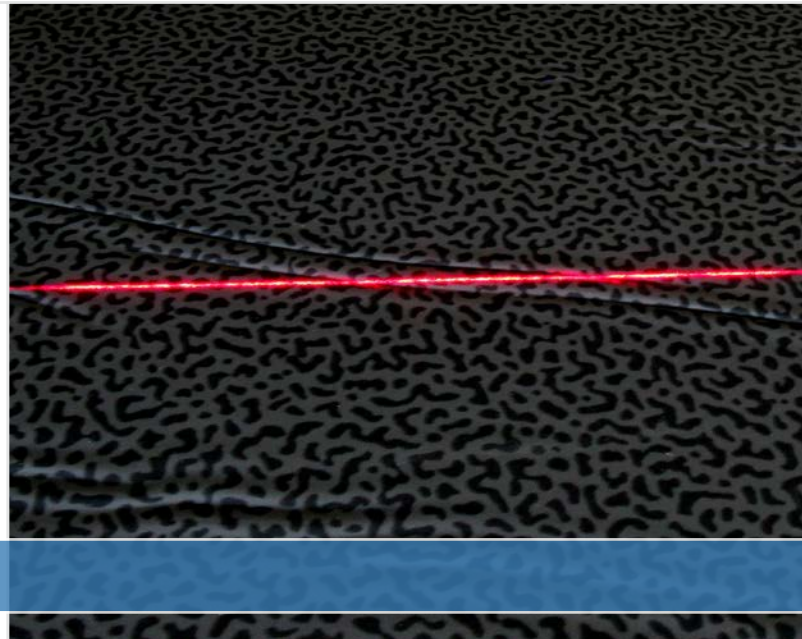




Surface inspection of adhesive film

In industry, the need for adhesive film is increasing. When producing the film, depressions and folds often occur, rendering the film unusable. Therefore, the customers' requirements for an impeccable surface are increasing. For this purpose, a scanCONTROL 2910-100 laser scanner can be used to detect depressions and folds in the adhesive film by traversing over a width of 1m. As any defects would continue along the total length of the film, a measurement using a scanner is possible.

The integrated evaluation enables the scanner to determine an OK or NOK decision, which is recognised via any deviations in the profile. The signals are output via a digital interface and transferred to the control system. Using the Output Unit, the signal can be transferred digitally, ensuring fast recognition of any NOK parts.



Advantages

- Measurement with traversing scanner
- Determination of OK and NOK film
- Faster recognition compared to human eye

Requirements for the measurement system

- Measuring range: 100x100mm
- Measurement on dark surfaces

Ambient conditions

- Dynamic process
- Temperature up to 45°C

System design

- scanCONTROL 2910-100
- scanCONTROL Configuration Tools
- Output Unit (8x digital switching output)
- Traversing unit