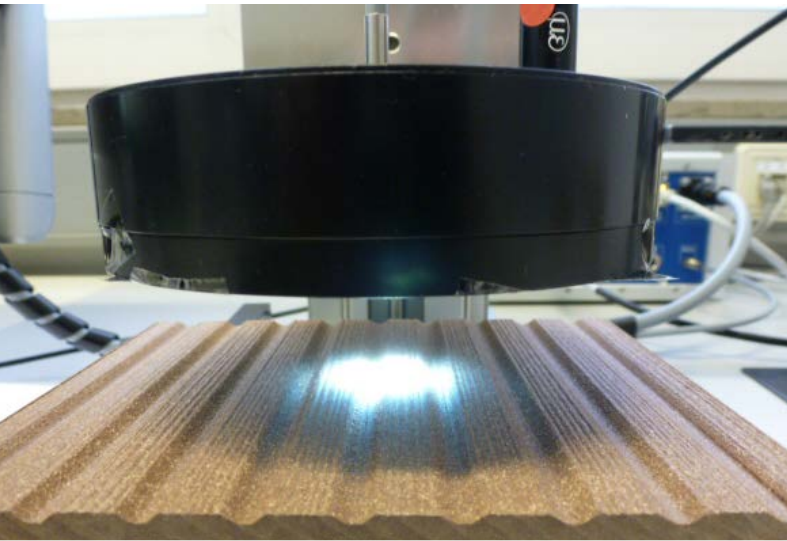


A260

Inline color measurement system **colorCONTROL**



Color measurement of the floorboards



Plastic floorboards are made of colored granules and shaped by extrusion. After the production process, it must be guaranteed that the color of the floorboards is homogenous and that there are no color differences. The inspection is carried out using the colorCONTROL ACS7000 spectral color measurement system with a circular sensor head ACS2 (R45°/0°), which detects any process-related defects. Furthermore, it checks if the desired color has actually been produced.

Advantages

The color measurement for the plastic floorboards guarantees that the correct color has been produced in the desired quality.

Requirements for the measurement system

- Measurement distance: 28mm
- Accuracy (color distance): $\Delta E = 1$
- Resolution: 5nm
- Bandwidth: 390 – 780nm
- Measurement rate max.: 2kHz

Ambient conditions

- Operating temperature 0...45°C
- Protection class of the controller IP40
- Protection class of the sensor IP64

System design

- colorCONTROL ACS7000
- R45°/0° circular sensor head FCS-T-ACS2-R45/0-28-1200

