



1. Detection of color marks on disposal diapers

Different color marks (different in color) should be detected with an inline sensor. The maximum production speed is 10 m/s and the size of the color mark is around 15 mm². The most difficult color mark which must be detected is the gray color mark. The color difference compared to the white background is small, but as shown in the screen shots, there is still a sufficient difference and a good contrast in intensity, too. The color sensor **SPECTRO-3-30-DIL-d5** delivers proper results even on gray color marks. The distance to the color marks is about 30 mm, thus the detected area is approximately 7mm in diameter. Due to the high scan frequency, in the AC mode 20 kHz, the color mark can be scanned each 0.5mm at a product speed of 10 m/s.

