Sensor Instruments — Let's make sensors more individual

1. Color mark detection on plastic film labels

A black color mark on a plastic film label should be recognized. At this, the color mark must be differentiated from transparent background as well as from the printed part. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical frontend type **KL-M18-R2.1** are used. The distance of the frontend to the label is approximately 40mm and the spot size at this distance is around 15mm x 2.5mm. The frontend is directed under an angle of around 20° to the vertical axis. As shown in the screenshots, the black color mark can be properly detected.