

1. Detection of a printed reference mark on an aluminum foil

A printed reference mark on an aluminum foil should be detected.

For this purpose a color sensor type **SPECTRO-3-FIO** in connection with an optical fiber type **R-S-A2.0-(2.5)-1200-67°** and an optical frontend type **KL-3-A2.0** is used.

The distance from the frontend to the aluminum foil is approximately 11mm and the spot size at this distance is around 1mm. A proper detection of the reference mark is possible even at a speed of 60m/min.

