



1. Tarnish film detection on metal band

A tarnish film should be detected on metal band. 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-8** are used. The distance of the frontend to the metal band is approximately 11mm and the spot size at this distance around 0.7mm. The tarnish film can be proper detected as shown in the screen shots.

