



1. Color control of plastic pins

Plastic pins which are used for seat belts should be color differentiated. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-A3.0-(3.0)-1200-67°** and an optical frontend type **KL-9-A3.0** are used. The distance of the optical frontend to the plastic pin surface is approximately 15mm and the spot size at this distance is around 2.5mm in diameter. As shown in the screen shots, a proper color differentiation of the plastic pins is possible.

