



1. Differentiation of matt and shiny metal parts

Matt metal components should be differentiated from shiny metal parts. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-A2.0-(2.5)-1200-67°** and an optical frontend type **KL-M12-XL-A2.0** is used. At this, the distance from the optical frontend to the object is around 40mm, the spot size at this distance is around 3.5mm in diameter and the optical axis of the frontend is inclined by 15° to the vertical. The matt metal parts can be proper differentiated from the shiny metal parts as shown in the screen shots.

