



1. Backside- Frontside- Differentiation of synthetic parts

The backside should be differentiated from the frontside of synthetic components. 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-M34-XL-R2.1**. At this, the distance from the optical frontend to the plastic part is approximately 115mm and the spot size at this distance is around 12mm x 2mm. The backside can be proper differentiated from the frontside as shown in the screen shots.

