



1. Synthetic component orientation control

The orientation of transparent plastic parts should be controlled. For this purpose, a color sensor type **SPECTRO-3-FIO-ANA** in connection with a through beam optical fiber type **D-S-A1.1-(1.5)-1200-67°** is used. At this, the distance from transmitter fiber frontend to the object is approximately 2mm and the distance from the receiver fiber frontend is around 12mm. Furthermore, the receiver fiber frontend is inclined roughly 50° (130°) to the optical axis of the transmitter fiber frontend. The orientation of the plastic components can be properly controlled as shown in the screenshots.

