



### 1. Detection of silicone oil film on plastic components

The presence of silicone oil should be controlled on the surface of plastic components. For this purpose a color sensor type **SPECTRO-3-POF-SLE** in connection with an optical fiber type **POF-R-60-M5x0.5-(0.5)-2000** is used. The distance from the optical fiber to the plastic surface is approximately 18mm and the spot size at this distance is around 4mm in diameter. The silicone oil film can be properly detected as shown in the screen shots.

