



### 1. Differentiation of the inner surface of plastic tubes

The inner surface of plastic tubes should be controlled. For this purpose a color sensor type **SPECTRO-3-200-COF-d12.0-CL** is used. At this, the distance from the sensor to the object is approximately 200mm and the spot size at this distance is elliptical in shape and the dimensions are around 12mm x 18mm. Furthermore, the angle to the horizontal axis is roughly 40°. The plastic tubes can be proper differentiated, as shown in the screen shots.

