



### 1. Detection of color drifts of plastic preforms

The drift of plastic preforms should be detected during the handling process. At this the matrix with the preforms stops for a few hundred milliseconds, it is sufficient to check one of the preforms on each matrix. There will be preforms with different colors produced, thus the systems should be easy adapted to another color. For this purpose a color sensor type **SPECTRO-3-30-POL** is used. The distance from the sensor to the preform which should be controlled is approximately 40 mm. The sensor is directed perpendicular to the long axis of the object. With the **FIRST HIT** mode and the **DYN1** external teach function, the color drift can be detected in time.

