



### 1. Detection of a deepening in a plastic film

A deepening in a plastic film should be detected. For this purpose a color sensor type **SPECTRO-3-FIO-SL** in connection with an optical fiber type **R-S-A2.0-(2.5)-1200-67°** and an optical frontend type **KL-M12-XL-A2.0** are used. The distance from the optical frontend to the plastic film is around 22 mm and the spot size at this distance is approximately 1.5 mm. The deepening can be properly detected as shown in the screenshots.

