



1. Plastic ring bottom side – upper side differentiation

Plastic rings which are transported on a conveyor belt should be differentiated with a view to the direction (bottom side – upper side). For this purpose a color sensor type **SPECTRO-3-FIO-ANA** in connection with optical fiber type **R-S-A3.0-(3.0)-600-67°** and an optical frontend type **KL-M34-XL-A3.0** will be used. The distance from the frontend to the plastic ring is around 100mm and the spot size at this distance is approximately 5mm. The upper side of the plastic ring can be properly differentiated from the bottom side as shown in the screen shots in using the **SELF TRIGGER** mode.

