



### 1. Glue strip detection on plastic envelopes

A glue strip should be detected on a plastic envelope. At this, the glue strip causes a corrugated pattern at the opposite side of the plastic material. Due to the fact, that the glue strip is covered with a metal coated high reflective plastic film, the only chance to detect it is from the opposite side. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **D-S-A2.0-(2.5)-1200-67°** and a fiber optic fixture type **MOUNT-A2.0-120°-12** are used. The distance of the fixture to the plastic envelope is approximately 12 mm and the spot size elliptically in shape with the dimensions of around 3 mm x 6 mm. The glue stripe (corrugated stripe) can be proper detected as shown in the screen shots.

