



1. Color mark detection on a plastic cartridge

A green color mark should be detected on a corrugated white plastic cartridge. For this purpose a color sensor type **SPECTRO-3-FIO-SLE** in connection with an optical fiber type **R-S-R1.1-(3x0.5)-1200-67°** and an optical front end type **KL-M34-XL-R1.1**. At this, the distance from the optical front end to the color mark is approximately 85mm and the spot size at this distance is around 5mm x 0.8mm. The color mark can be proper detected; even the color mark is partly scratched. The color mark can be proper detected as shown in the screen shots.

