



### 1. Inline color control of a golden coated wire

A golden coated wire should be controlled during the production process. Furthermore, local defects like grooves should be detected. At this, the production speed of the wire is approximately 10 m/s. For this purpose a color sensor **SPECTRO-3-5-DIF-JR** is used. The distance from the sensor to the wire is approximately 6mm. Due to the diffuse white light from the transmitter and the small aperture at the receiver side, only diffuse reflected light can pass the color detector. Even small shifts in color can be proper detected, as shown in the screen shots.

