



### 1. Detection of powder coating on carbon fiber reinforced plastic films

During the powder coating of carbon fiber reinforced plastic films the quality of the coating (thickness of the layer) has to be controlled.

For this task a color sensor **SPECTRO-3-FIO-CL** in connection with an optical fiber **R-S-A2.0-2,5-1200-67°** and an optical front end type **KL-M18-A2.0** will be used. At this the front end **KL-M18-A2.0** is directed under 45° onto the respective plastic film. The distance to the plastic film is approximately 30 mm. As shown in the screen shots a proper detection of the quality of the powder coating possible.

