



1. Detection of the direction of rotation of an aluminum coil

The frequency as well as the direction of rotation of an aluminum coil should be detected. There are two red, green and blue color marks on the aluminum coil, respectively. At this a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-A2.0-(2.5)-1200-67°** and an optical frontend **KL-3-A2.0** is used. In using a PLC, which is connected to the color sensor, the direction as well as the frequency of the rotation can be proper detected.

