



1. Color mark detection on wood plates

Color marks on wood plates should be detected. It should be noted that the color marks are black, green or red lines with a width of around 2mm. For this purpose, a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical frontend **KL-M34-XL-R2.1** will be used. At this distance, the distance from the optical front end to the color marks is approximately 60mm, the optical axis is inclined by 60° to the vertical and the spot size at this distance is around 6mm x 1mm. The color marks can be properly detected as shown in the screen shots.

