1. Lattice texture presence control on a fleece stripe

The presence of a lattice texture on a fleece stripe should be controlled. 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 type **KL-8-R2.1** are used. At this the frontend **KL-8-R2.1** is directed under an angle of 30° to the vertical axis onto the fleece surface. The distance of the frontend to the object is approximately 11mm and the spot size at this distance around 3mm x 0.5mm. The signal of the color sensor should be scanned from a PLC synchronized to an external trigger signal to make sure, that the whole spot falls onto the fleece surface during the scan. To be aware of this a proper detection of the lattice texture on the fleece stripe is possible as shown on the screen shots.