



1. Color differentiation of make-up

The color of make-up should be controlled. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-A3.0-(3.0)-1200-67°** and an optical frontend type **KL-9-A3.0** will be used. The distance of the optical frontend to the make-up surface is approximately 14mm and the spot size at this distance around 3mm in diameter. The color of the make-up can be proper controlled as shown in the screen shots.

