



1. Lacquer surface weight control

The lacquer surface weight on furniture plates should be controlled. Investigations have shown that there is a proportional relation between the color space parameters of the liquid paint on the pressing roll and the surface weight of the lacquer on the panel. However, the proportionality factor is dependent of the color and has to be calibrated for the respective paint. For this purpose, a color sensor type **SPECTRO-3-POL-SLE** is used at a distance of approximately 15mm to the pressing roll and the detecting range is around 10mm in diameter. The screen shots shows the results of the yellow as well as the red paint. An increase of the **s**, the **i**, as well as of the **M** value shows an increase of the surface weight on the panels.

