



1. Detection of a transparent film on a lacquered surface at a distance of 100mm

A transparent film should be detected on a shiny lacquered surface. It has to be taken into account that the plastic film has a certain polarization effect. For this purpose a color sensor type **SPECTRO-3-50-POL** is used and the sensor should be turned in a way, that the difference of the reflected light between transparent film and lacquered surface has reached a maximum value. The distance from the sensor to the object is approximately 100mm and the detecting range is around 40mm at this distance. The transparent film can be proper detected as shown in the screen shots.

