



1. Detection of fluorescent coating on black leather

A gap with a width of 5mm in the fluorescent coating on a black leather surface should be detected. For this purpose, a contrast sensor type **SPECTRO-1-FIO-UV/BL** in connection with an optical fiber type **R-S-A3.0-(3.0)-1200-22°-UV** and an optical frontend type **KL-9-A3.0** is used. At this, the distance from the frontend of the optical fiber to the object is approximately 11mm and the spot size at this distance is around 1.5mm in diameter. The gap can be properly detected as shown in the screen shots.

