



### 1. Frontside-backside differentiation of aluminum foils

The coated front side of aluminum foils should be differentiated from the backside. For this purpose, a double contrast sensor type **SPECTRO-2-FIO-(UVC/UVC)/(UVC/UVC)** in connection with an optical quartz-glass fiber type **R-S-A3.0-(3.0)-1200-22°-UV** is used. At this, the distance from the fiber to the aluminum foil is approximately 7mm and the spot size at this distance is around 5mm in diameter. The frontside can be properly differentiated from the backside of the aluminum foils as shown in the screen shots.

