



1. Welding line detection on stainless steel tubes

The welding line on stainless-steel tubes should be detected. At this, the stainless-steel tube is rotating, whilst the sensor is searching for the welding line. For this purpose, a double-contrast sensor type **SPECTRO-2-FIO-(VIS/VIS)/(VIS/VIS)** in connection with an optical fiber type **R-S-A3.0-2x(3x1)-1200-Y-67°-2P/2P** and an optical frontend type **KL-9-A3.0** is used. Here, the distance between the optical frontend **KL-9-A3.0** and the stainless-steel surface is approximately 11mm and the size of both white light spots is around 2mm x 0.7mm each. The welding line can be proper detected as shown in the screen shots.

