



1. Leak detection of welding lines on dish washers

Leaks should be detected on welding lines of dish washers. At this a robot equipped with a spray nozzle sprays a fluorescent liquid into the inner chamber of a dish washer. If leaks are present in the welding line, the fluorescent liquid flows through these leaks and can be detected with a fluorescent color detector type **SPECTRO-3-30-UV** as well as **SPECTRO-3-80-UV**. Due to the fact, that the color sensor detect not only the intensity of the fluorescent liquid but also the color, a differentiation between oil, which is shining blue, if fluorescent light is used, and the yellow

fluorescent liquid is possible. The distance of the sensors to the welding line is either 50mm (**SPECTRO-3-30-UV**) or 100mm (**SPECTRO-3-80-UV**). As shown in the screen shots a proper detection of the fluorescent liquid is possible.

