



1. Position control of a fluorescent thread in a fabric

The position of a fluorescent thread in a fabric should be controlled. For this purpose a line scan sensor type **L-LAS-RL-20-UV** is used. The ultraviolet light (transmitted from the **L-LAS-RL-20-UV** sensor) will be converted from the fluorescent thread into the visible wavelength range; afterwards a part of the transmitted light from the fluorescent thread will be projected onto the line receiver of the **L-LAS-RL-20-UV**. The distance of the line scan sensor to the fabric is approximately 55mm and the detecting range at this distance is around 20mm. As shown in the screenshots, a proper positioning of the fluorescent thread in using the **L-LAS-RL-20-UV** is possible.

