



1. Detection of two different colored threads on interior parts

The task is to distinguish properly between the two different colored threads (beige and gray). The leather imitation is the same for both threads. With the **SPECTRO-3-FIO** and a fiber optics type **R-S-R2.1-(6x1)-600-67°** the two thread colors can be distinguished in a proper way. In this case the distance from the optical front end to the object is approximately 15mm. The color difference in the X,Y INT mode is sufficient and it is not necessary to use the INT for the evaluation. The spot size at a distance of 15mm is about 12mm x 6mm and elliptical in shape. The beige thread has a bit higher X as well as Y part.

0 = beige thread and 1 = gray thread.



