



### 1. Direction control of a metal rod

The direction of a metal rod should be controlled. At this, the metal rod is flat press formed at the one side and at the other end round in shape. For this purpose a color sensor type **SPECTRO-3-FIO-SL** in connection with a through beam fiber type **D-S-A2.0-(2.5)-1200-67°** are used. The optical fiber is mounted on a fork type **C-MOUNT-A2.0-180°-22/50**. As shown in the screen shots, the direction of the metal rod can be proper detected.

