



### 1. Position control in the $\epsilon x$ – range

The position of a metal blade should be controlled in the  $\epsilon x$  – range. At this an optical fiber type **D-S-R2.1-6x1-1200-67°** in connection with an **A-LAS-CON1-FIO** control electronic is used. Only the optical fiber front end is inside zone 0, whereas the controller is placed outside the  $\epsilon x$  – range. The maximum distance between transmitter and receiver frontend is approximately 150mm. The measurement range is about 6mm. As shown in the screen shots the blades can be positioned precisely.

