



### 1. Eccentricity control of an aluminum drive disk

The eccentricity of an aluminum driving disk, which is used for winding and rewinding of film strips, should be controlled with an accuracy of approximately 10µm. At this a laser through beam system type **L-LAS-CAM-512-SL** in connection with a macro objective type **MO-J-8x/9** and a laser transmitter unit type **D-LAS-ED-9,5x4-T-IC** are used. The measurement range is around 1mm at a distance of the macro objective to the zenith of the aluminum wheel 75mm. The resolution of the line scan camera system is roughly 0.5µm. An analog signal as well as a digital serial signal at the output of the line scan camera informs about the eccentricity of the aluminum driving disk.

