



1. Diameter control of plastic monofilaments

The diameter of plastic monofilaments should be controlled. At this, monofilaments with diameters starting from 0.1mm up to 2mm are possible. For this purpose a laser line through beam sensor with a macro objective type **L-LAS-TB-F-150/60-MO** is used. The measurement range of this laser sensor is approximately 2mm and the distance of the filament to the macro objective is around 75mm. Even transparent filaments can be precisely measured with an accuracy of approximately

1µm as shown in the screen shots.

