

### 1. V-belt position control

The lateral displacement of a V-belt in a V-belt pulley must be controlled, because it happens, that the V-Belt lies not properly in the V-belt pulley. For the position control the white mark on the V-belt can be used, thus a line scan reflective sensor type **L-LAS-RL-20-B** can be used. The distance of the sensor to the object is approximately 55 mm and the measurement range at this distance about 20 mm. To avoid any direct reflection from the V-belt pulley, the optical axis of the line scan sensor is directed eccentrically to the axis of the V-belt pulley. The sensor delivers two analog signals (0V ... +10V and 4mA ... 20mA) as well as three digital outputs (-, ok, +). As shown in the screen shots, the sensor delivers proper results.

