



### 1. Measurement of the height of a welding line and a polished welding line on a metal sheet

The height of a welding line should be controlled; at this the presence of the welding line has to be checked before the grinding process and the height of the polished welding line has to be measured after the grinding process. For this purpose a laser displacement sensor type **L-LAS-LT-37** is used. The laser sensor will be moved with a traverse perpendicular to the transport direction, as well as to the welding line, to get a profile of the welding line and the polished welding line. The measurement range of the laser sensor is around 4mm, the height of the welding line a few tenth of a mm and the height of the polished welding line a few hundredth of a mm. As shown in the screen shots the polished as well as the unpolished welding line can be proper detected.

