



### 1. Position detection of lacquered metal sheets

The edge of different lacquered metal sheets should be precisely detected. Furthermore the distance of the painted metal plates should be measured. At this, it has to be taken into account, that a color gamut as well as gray scale range from shiny black to matt white should be covered. For this purpose a laser displacement sensor type **L-LAS-LT-110-HD2** is used. The distance to the object for the edge detection application is approximately 90mm, whereas the distance of the object to the sensor can be detected in a range of 80mm to 165mm. The edge of a lacquered metal sheet can be detected with a precision of about one-tenth of a millimeter independent of the color of the surface and the distance of the painted metal plate can be measured with a precision of a few hundredth of a millimeter as shown in the screen shots.

