



### 1. Gear differentiation

Non-treated gears should be distinguished from blackened gears. For this purpose, a color sensor type **SPECTRO-3-50-POL-JR** is used. Here, the distance from the sensor to the gear surface is approximately 50mm and the detecting range has a diameter of around 20mm in diameter. The blackened gears can be proper separated from the non-treated gears as shown in the screenshots.

