



1. Position monitoring of tiles

The orientation of tiles on a conveyor belt should be controlled. There are three chamfers which splits the tile into four parts and these chamfers should be perpendicular orientated on the conveyor belt. Another sensor, e.g. a laser light barrier can be used as a trigger sensor. If the chamfers are perpendicular to the transport direction of the conveyor belt, the chamfers can be detected from an edge detector type **LCC-40-CYL**, however, if the chamfers are in parallel

to the transport direction, the chamfers can't be detected. The distance of the sensor to the tile is approximately 40mm. The chamfers can be proper detected as shown in the screenshots.

