

How to adjust the sensors on the robovator:

1.

Make sure that the wheel will always touch the ground when working. This must also be the case when the tool carrier is at its highest position with the supporting wheel at its lowest position. In this case the lowest point of the measuring wheel must be 20 cm below the knives when the machine is lifted. If not, grind the arm of the wheel where it rests against the pin.

Adjust the up-down sensor so it will change status when the measuring wheel is lifted 10 cm above its lowest point.

2.

Old layout: Lift the wheel and lock it in upright position. Adjust the small sensor so there will be 2-3mm distance to the metal plate.

The metal plate should be bent to a curve so the distance will not vary too much when the arm is moving.

New layout with sensor at the side of tool carrier: adjust distance to sensor to be 0,5 – 1mm.

Check step 1 again.

3.

Adjust the big sensor so when working normally the handle of the depth control should be in the the middle of the range (approximately same number of turns to min and max position). Adjust the protecting screw so there is 0,2 mm gap between the plate and the sensor when the the 6mm protecting screw is resting against the plate.

4.

Make sure that the arms with the sensors move freely and that the spring will press the sensors against the height adjustment screw.