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Changing of the Drivebelt

1. Open the Stage Platform

a) Positioning

Place the Stage on a stand to get access to the screws at the bottom of the stage. **Do not turn the stage upside down.**



b) Loosen the screws

The cover plate is attached to the bottom with 7 screws. To loosen the screws an 4 mm Allen Key is required.



c) Remove the cover plate

In addition to the screws the cover plate is attached with duct tape. To remove the plate slowly lift the plate at the bridge between the rectangular openings. The duct tape will slowly peel away and the cover plate can be removed.



2. Changing of the Drive Belt

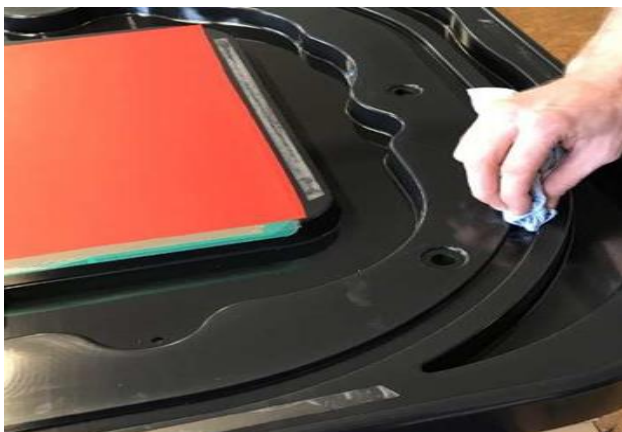
a) Remove the old drive belt

To remove the old drive belt lift the lever near the gearwheel, then lift up the drive belt and remove it from the guideway.



b) Cleaning

Before the new drive belt can be installed the guideway and the bottom of the cover plate have to be cleansed from any grease. An Alcohol based detergent like cleaning spirit should be used to remove the grease. No grease is allowed to stay in the guideway or on the cover plate!



Changing of the Drivebelt

c) Installation of the new drive belt

To install the new drive belt lift the lever near the gearwheel and place the drive belt in the guideway. The ball bearings and the magnets must face upwards, else the stage will not function.



When installing the new drive belt the magnet cam has to be installed behind the mover park position as shown in the photo. The magnet cam must not be inserted directly in the park position as the limit switches may be damaged.



d) mover parkposition

If the Mover does not find the correct park position the limit switch has to be adjusted.

When adjusting the exact stop, it is easier to not completely loosen the screws. In most cases the limit switch has to be moved completely to the left side.

Retighten the 2 screws carefully after adjusting.

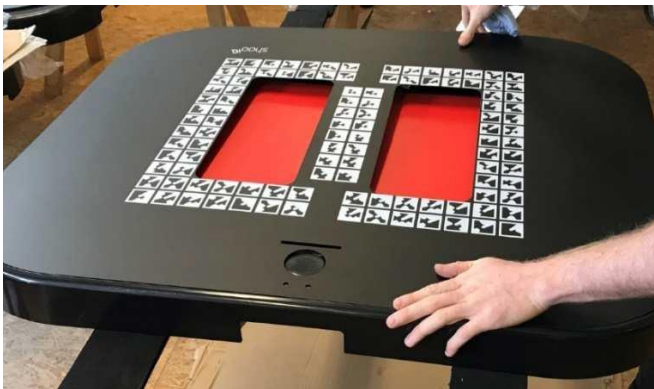
After reassembling the stage, as described in the manual, test if the mover finds the correct park position. When the white light in front of the "ready" label lights up press the demo button and wait until the mover finishes the test drive. When the "ready" label lights up again the test drive was successful. Wait 30 seconds and repeat the test drive 5 times.



3. Closing of the Stage

a) Attach the Cover

Place the cleansed cover plate on top of the stage. The circular hole in the cover plate and the circular elevation in the stage have to align concentric.



b) Fix the Cover

To fixate the cover plate reposition the 7 screws.

The screws need to be tightened with a maximum torque of 3 Nm.

If the torque is too big the fastener at the cover plate can break loose.



4. Test the Movers Parking Position

To test if the mover finds the correct park position plug in the stage and wait till the drive belt moves in the park position.

Place the mover on top of the circular hole and it will lock in position. The rounded bottom of the mover should be centered to the black circle on the stage.

Within one minute the white light in front of the „connected“ label should light up.

Now do at least 5 Demoruns with the „Demo“-Button on the Mover.

The Mover should always show the „Ready“-LED in the Parking Position to signal that it has contact to the stage.

If the „Ready“-LED is not shown in the Parking Position, please „Readjust the Mover Parkposition“ (see above) again until the „Ready“-LED shows up stable.

