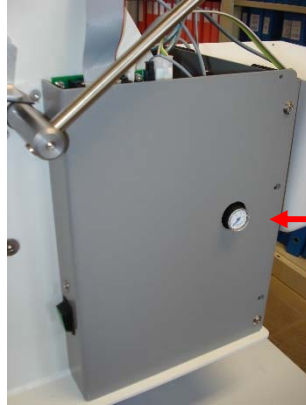


## 3000-IV: Pneumatic Cylinder not moving

### 1. Compressed air supply is not sufficient

Switch on the instrument and wait, until the main display appears. Check at the blue manometer at the right side of the instrument, whether the input pressure of the supplied compressed air is sufficient.

For the FX 3000-4M: 4-8 bar  
For the FX 3000-4H: 6-8 bar



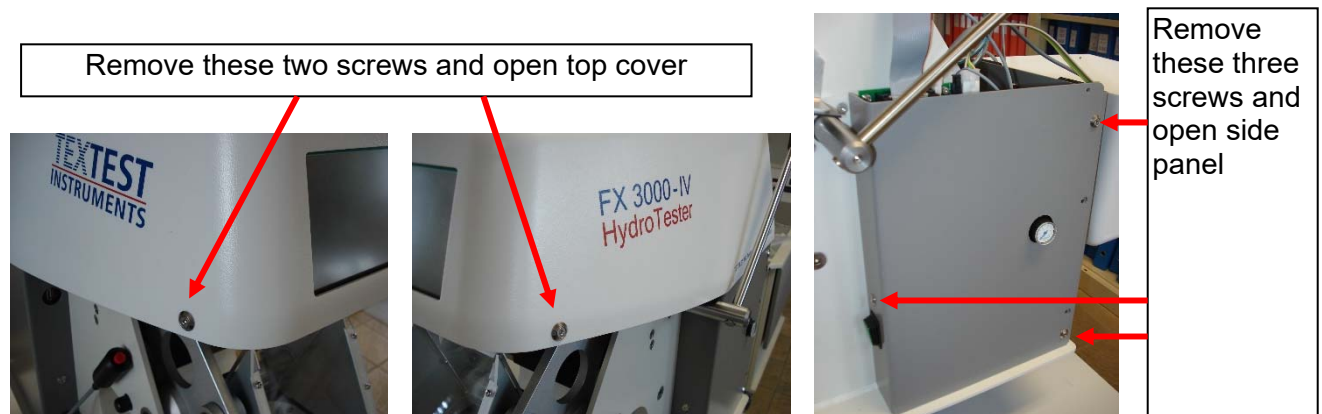
If the compressed air supply does not have the required pressure, you have to check the incoming air supply.

### 2. Cylinder valve not working

Release a test and listen, if you hear the zzz-sound of air and whether the clamping system moves slightly down at the end of the hissing sound. If yes, the control valve and the cylinder are OK. Please continue at point 3 and 5. If not, continue at point 3 and 4.

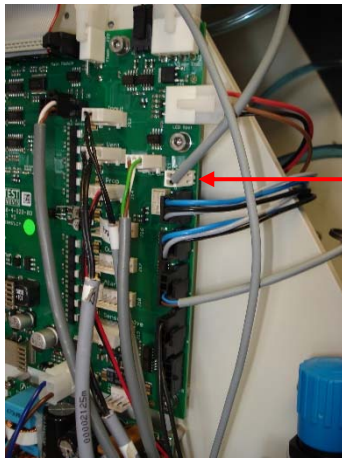
### 3. Open the instrument

**Switch-off the instrument** and open the top cover and the side panel at the right side as explained below.

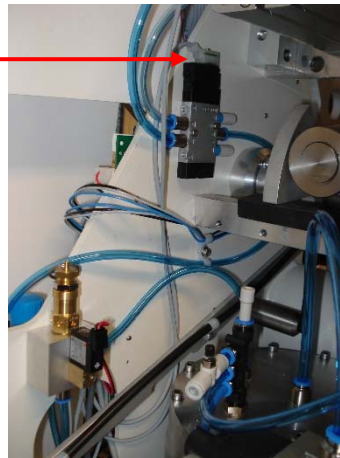


#### 4. Check the cylinder valve

Check, whether the cylinder valve is still connected properly (at the main PCB and at the cylinder valve). Also check the pneumatic connections

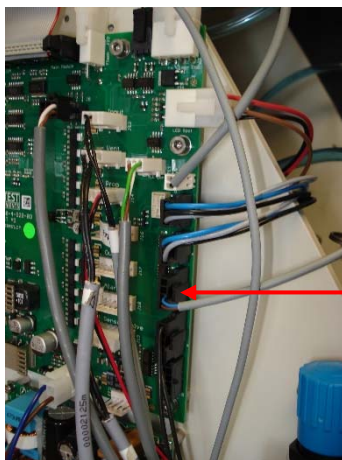


Connection of the cylinder valve



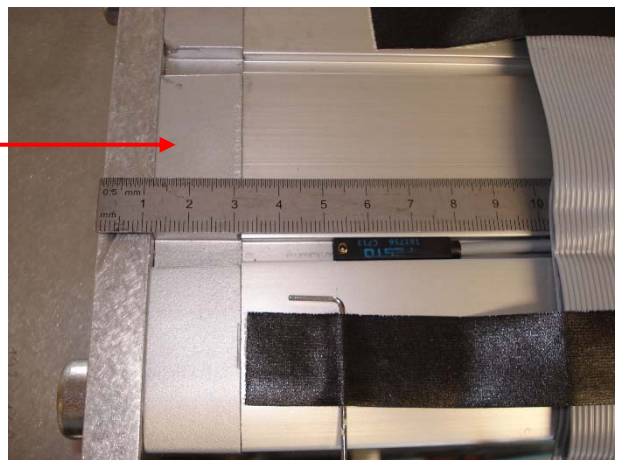
#### 5. Check the monitoring switch of the pneumatic cylinder

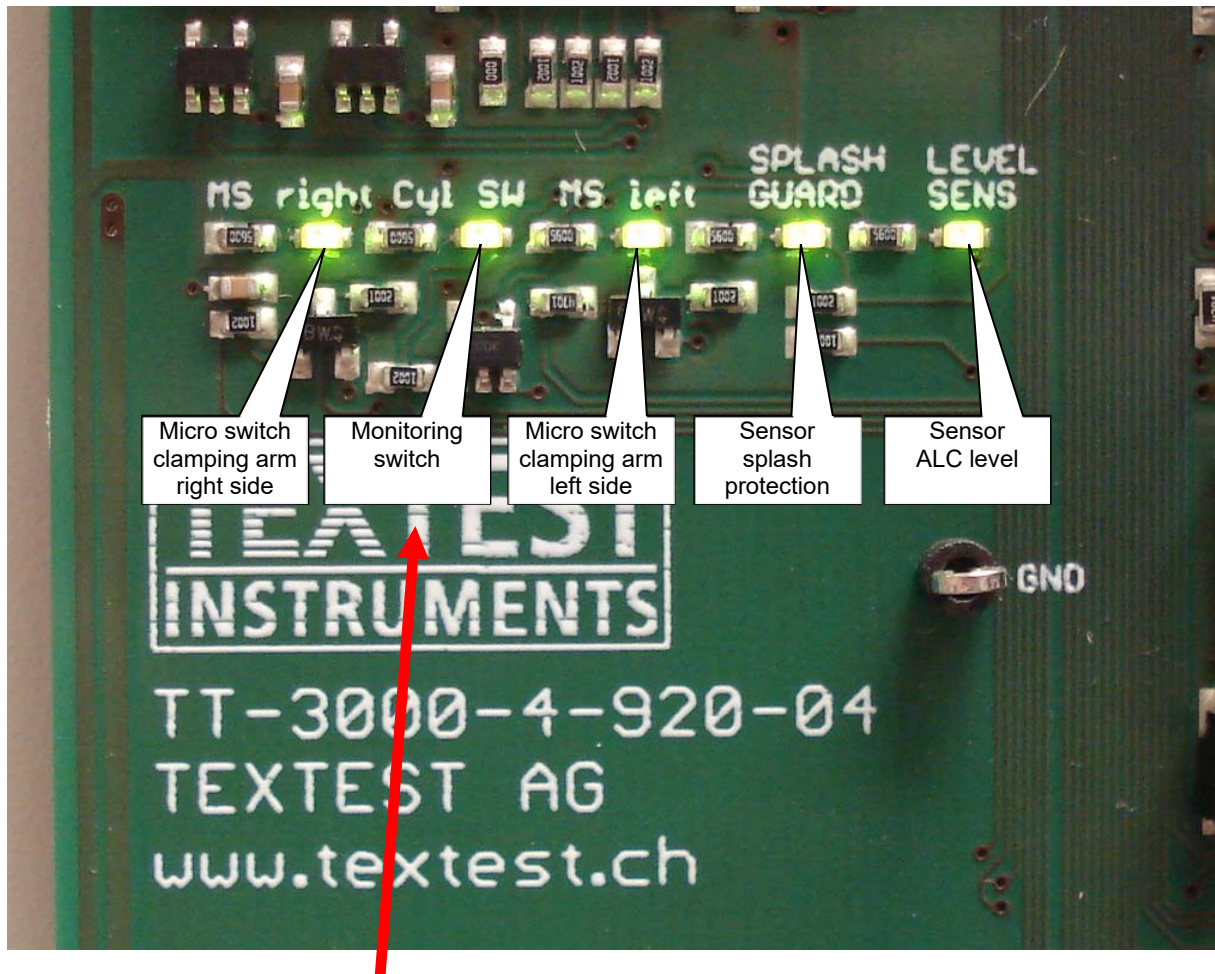
Check whether the monitoring switch of the pneumatic cylinder is still connected properly at the main PCB and whether the switch is adjusted correctly (see pictures below). If necessary, adjust the switch with the supplied Allen wrench.



Adjustment of monitoring switch

Connection of the monitoring switch





Check the LED of monitoring switch. In idle mode, the LED must be OFF. After start, the LED must be ON.