**Installation Report**

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| **Company:** | **JW Goethe University, Frankfurt**  **Installation** |
| **Date:** | **25th/26th March 2010** |
| **Service Engineer:** | **Stefan Kolek** |
| **Details:** | **Syringe clamps and finger screws for oil syringe missing.**  **Find Index Positions:**  X: 0.0095  Y: 0.0095  Z: 0.0063  V: 0.0126  **Test Axes:**  X speed factor: 2.0698  Y speed factor: 2.0698  Z speed factor: 1.9249  V speed factor: 1.8868  **Lubricated Shafts**  **Find Index Positions:**  X: -0.0190  Y: -0.0191  Z: 0.0000  V: 0.0346  **Test Axes:**  X speed factor: 2.0698  Y speed factor: 1.8612  Z speed factor: 1.9057  V speed factor: 1.8868  **Axes Movement on align tip:**  All drives move on every click, zero backlash. X and Y axis moved: small click, small click, big click.....  **Wires for USD 3&4 wrong way round:** channel 3(blue) moved when Channel 4(yellow) was meant to and vice versa. Wires in chassis connected wrong way round. Fixed. |
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**Signed:**

**Notes:**

1. **Com port not detected initially when updating MCC after installation.**

Tried Com port 1-9. Unplugged USB cable to MCC and closed MCC terminal. Plugged USB back in and install with windows wizard from CD.

1. **Wire guide rail for X-axis motor wire in wrong position.**

Re-aligned so horizontal, parallel with plate loader.

1. **Z axis has lots of play.**

Especially when lowered during 1 point alignment wizard. Noticeable ‘click’ felt when pushing Z axis down when lowered during 1 point alignment, Z arm then has lots of play.

Accuracy seems unaffected. Do not think steps have been missed. Moves on every click and dispenses as normal. Recommended pressing only gently on Z axis.

1. **Customer would like Qiagen PEG suite if possible.**
2. **Customer did not receive pads for recording hits.**
3. **Plate loader seemed slightly noisier than usual in x direction.**
4. **Question for Patrick: will X-step be able to dispense reservoir.**

Kami would like to dispense specific reservoirs different/independently to drop. Will Oryx dispense entire reservoir or top up hand dispensed reservoirs?

1. **How to recover default experimental files**.

Folder created containing original experiments with shortcut on desktop.

1. **Bug?** selecting wells for Microbatch screen with evaporation shield *(and other Microbatch experiments)*. Had to select wells on source plate, not destination plate.