



MEMBER OF THE NYNOMIC GROUP

A selection of our OEM components as a basis for fast and efficient product development

Handling of blood sample tubes / gripper systems

An important piece of our know-how is the handling of blood sample tubes for long-lasting and reliable solutions in the field of laboratory automation. Benefit from our experience and use our gripper technology. Here are two examples:

Our TPU (=Tube Placing Unit) is designed to place blood sample tubes in racks, pucks or cars without errors. On the one hand, it is important to grip the tubes as straight as possible, so that the bottom of the tube always hits reliably into the opening of the rack. On the other hand, we want to grip as high up as possible, so that a lot of height of the tube remains free. This ensures that the gripper itself is not in the way of measuring barcodes, fill levels or a HIL status. In addition to the optimal gripping of the tube, the TPU includes the Z-axis movement required to place the tube, as well as a rotational movement and an integrated barcode scanner for placement with aligned barcode.

The TRU (=Tube Raising Unit) has the task of placing blood sample tubes from a horizontal position to a vertical position with the cap facing upwards. It does not matter whether the tube is placed with the cap on the left or on the right side under the gripper. The TRU can then transfer the erected tube to a second gripper (e.g. to the TPU) or place it directly into a puck or car through the integrated Z-axis movement.

The function of the TRU in combination with the TPU can be seen in the video under <https://www.mut-group.com/en/laboratory-automation/>.



m-u-t GmbH
Am Marienhof 2
22880 Wedel
Germany

☎ +49 4103 9308 - 0
☎ +49 4103 9308 - 99
✉ info@mut-group.com
🌐 www.mut-group.com