



BETTER SOLUTIONS ARE THE RESULT OF CONVINCING DETAILS.

Swing Axes for Robots

7th and 8th axis for handling robots



Through the use of the double swing axis the application range of the six-axis robot is increased significantly. For the movement of the robot a 7th and a further 8th axis is available with the double swing axis.

The robot is able to reach any point within a defined radius with high repetition accuracy or is able to swing to a defined rest position. Therefore it can be used for special applications in the painting and handling areas as well as welding work.

For extended application range the robot is mounted on the double swivel arm.

The swivel range of the swivel arms is approximately 130° of the 7th axis and approximately 120° of the 8th axis.

The robot is mounted on the front swivel arm that can be moved into the conveying area. The drive for each arm is a servomotor with gear (special construction). Tight fit precision gearboxes drive the swing arms. A built in rotating assembly serves as bearing for both arms.

To keep the high process dynamics tight fit at the first shaft the installation of a disc brake with a breaking torque of up to 16.000 nm is highly recommended.

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