



Test station for durability and haptics testing

Product description

This test station is used to perform durability and haptic tests on small devices.

The specimen is inserted manually, the parts handling and the tests are carried out by the robot.

Field of application

Quality control and End-of-line testing in the area manufacturing/production.



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Technical data

<h4>Test bench/device</h4> <ul style="list-style-type: none"> • Testing device made of aluminium profile • 4 interchangeable adapters with max. 10 specimen • Housing-free 6-axis robot arm with universal gripper, interface analogue/digital/pneumatic • Measuring, testing and supply technology in an integrated rack • 6D force/torque sensor, ± 80 N, ± 4 Nm, 16 bit, 1 kHz data rate • Modular power supply module for up to four single-phase consumers 230 V/50Hz/10A 	
<h4>Software</h4> <ul style="list-style-type: none"> • MP-WIN Robot under Windows <ul style="list-style-type: none"> - Input and storage of the operating sequences - Setting the tolerance limits - All settings and processes are menu-guided programmable - Password protected access levels - Menu-guided teaching process of the robot (taught is the actuation sequence of a single change-over adaptation. This sequence is then automatically calculated and adopted for the other up to 4x10 interchangeable adaptors.) 	
<h4>Scope of testing</h4> <ul style="list-style-type: none"> • Recording of force - displacement or torque - angle of rotation characteristics <ul style="list-style-type: none"> - Force/torque 1 kHz/position 125 Hz linear interpolated - Vectorial 3D line interpolation X/Y/Z axis 	
<h4>Input-/visualisation units</h4> <ul style="list-style-type: none"> • Monitor • Keyboard • 	<h4>Dimensions/Transport</h4> <ul style="list-style-type: none"> • 1500x750x1500 mm (WxHxD)
<h4>Test time</h4> <ul style="list-style-type: none"> • Individual, depending on test scope 	<h4>Exemplary device type</h4> <ul style="list-style-type: none"> • 047 3935