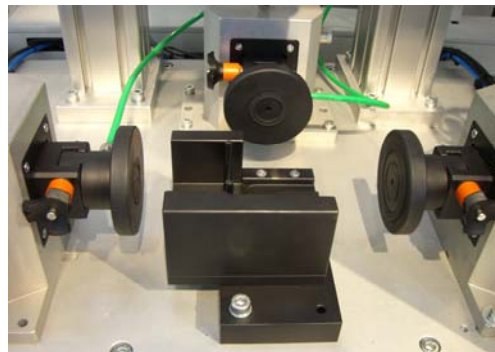




CETA test device



PLC



Adaption and clamping cylinders

Short description

The CETA leak detection system is conceived as a semi-automatic test stand. The modular construction and the use of standardised components allow the offer of a price attractive system. The integration of different types of test devices (leak tester, flow tester, mass flow tester) enables a variety of industrial solutions for the most different applications and test parts. The adaption of the test part is specific as well as customer options. During the project planning phase the technical feasibility of the leak test is checked.

Sequence controller

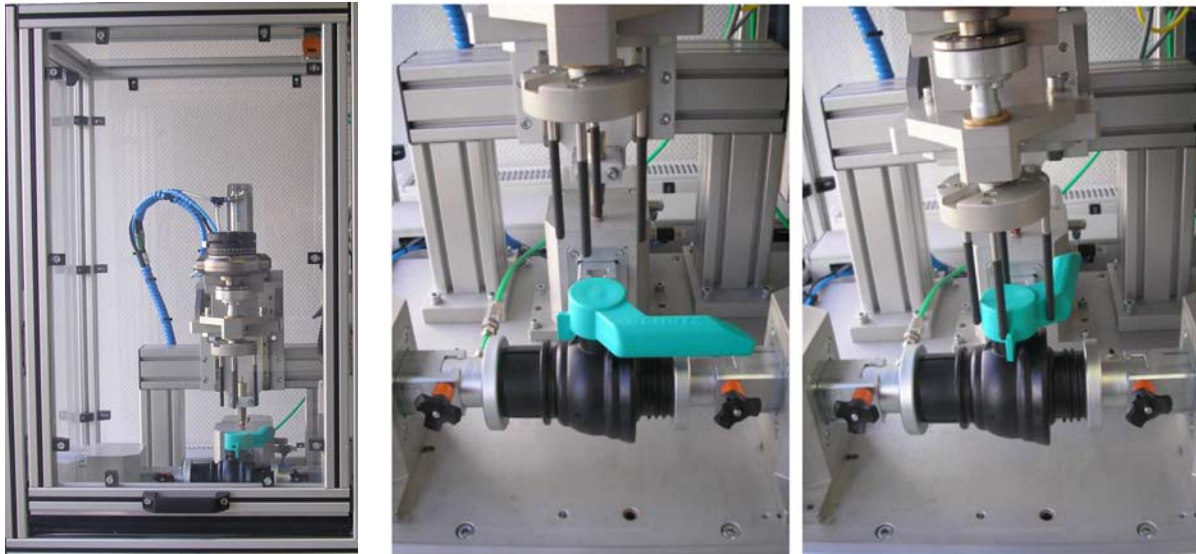
PLC controlled semi-automatic test system
 Manual placement of the test part into the receptacle
 Automatic test procedure
 Evaluation of the measurement result (pass / fail)

Standard components

Optimized concept regarding the pneumatical design and the technical application
 Mobile Rittal control cabinet (with drawer) including integrated maintenance unit, valve cluster and control components
 Safety devices
 2-hand-start
 Siemens PLC (basic model) with pass / fail evaluation, malfunction indicator, acknowledge reset, emergency stop switch
 Use of components from reputed manufacturers for pneumatic and sensor technology, guiding systems and mechanical profiles
 Prepared for the integration of a CETA test device

Components specific to the customer

Test part specific adaption and number of clamping cylinders
 Modification of the standard layout and additional functions



Application example: CETA leak detection system for leak detection of ball valves (test of the internal and external tightness in different positions of the ball valve, switching through mechanical actuator, use of the test mode „closed component“ [volume determination and test of gross leaks] and “pressure decay test” [test of fine leaks])

Dimensions	Total dimensions: Width: 1000 mm, Height: 2000 mm, Depth: 900 mm Mobile floor unit: Width: 600 mm, Height: 800 mm, Depth: 600 mm
Power supply	230 V AC, 5 A (standard configuration)
Compressed air supply	1 bar above test pressure, but at least 5,5 bar (ISO 8573-1)
Modifications and options	<p><u>PLC</u> Siemens S7/226 control system (24 inputs / 16 outputs) Extension of the PLC with additional modules Display for visualization</p> <p><u>Safety systems</u> Guard door with end position control Light grid</p> <p><u>Optional extensions (examples)</u> Integration of a PC Signature / marking of test part Signal lamp Double receptacle for test parts with sliding table</p>
Weight	Approximately 200 kg (depending on the customised modifications)
Included in delivery	Transport packing, engineering drawing, list with spare and wear parts, CE identification, conformity declaration, user manual, calibration certificate for test device
Accessories (optional)	Application software CETA Soft, standard leak, master jet, leaktight 3/2-way-valve, CETA accessories catalogue

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