EOL E-Turbo test facility

Product description

The system is used to test electrically driven turbochargers for motor vehicles. Among other things, leakage, function and safety of the test object are checked.

Field of application

Final assembly, quality control, end-of-line testing in production/manufacturing

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Technical data

Test bench/device

- Test item adaptation via three 6-axis lightweight robots
- High-speed door for protection
- Automatic Leakage Adaptation
- Optional: Possibility for interchangeable parts
- Rotating table for double test object recording

Software

- **TST-WIN test system**
  - All settings and processes are menu-driven and freely programmable
  - Extensive options for controlling the process and the measurements
  - Visualization of the test results using a table of measured values and an additional graphic display
- The "*remote maintenance*" module enables remote access by ITronic service employees
- The "*MES*" module enables variant-dependent testing by a higher-level system
- The "*ITDB*" module, including vITronic, enables the evaluation and statistical processing of measurement data
- The "*Robotics*" module enables the integration of a robot in the testing and handling process

Scope of testing

- Speed ramps
- Load conditions
- Compressor and refrigeration chamber leak test
- Insulation test
- Electronics check

Input-/visualisation units

- 2x Touchscreens
- Barcodescanner
- Labelprinter

Dimensions/Transport

- 2000x2300x2000 mm (WxHxD)
  Weight approx. 2000 kg

Test time

- Ca. 60 sec

Exemplarly device type

- 114 5719

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