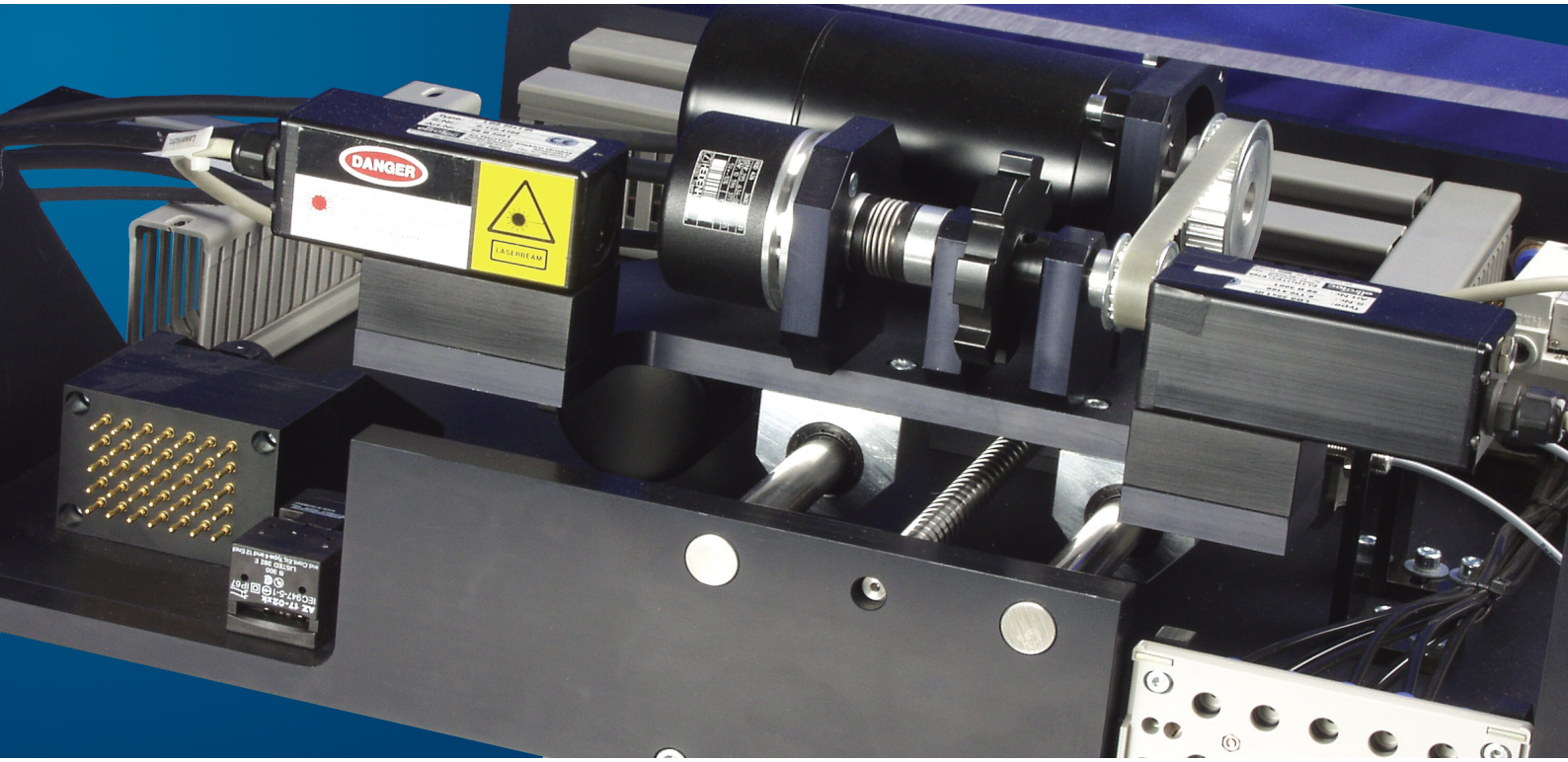

Manual workstation for testing tachometer sensors

Product description

The pneumatically operated system is used for the end-of-line inspection of tachometer sensors on a Hall effect basis.
The scope of testing includes the inspection of the installation, the inspection of the assembly quality as well as the electrical test. The discharge of the n.o.k. parts into the lockable container is monitored via a fork light barrier. The system is loaded manually by an operator.

Field of application

Quality control and end-of-line tests in the production/manufacturing area

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Manual workstation for testing tachometer sensors

Technical data

Test bench/device

- Test table with ejection device
- Mechanical testing apparatus
- Pneumatics
- Electrics
- Measuring and control electronics

Software

- TST-WIN under Windows
  - Process control
  - Carrying out the measurements
  - Presentation of test results
  - All settings and sequences menu-driven freely programmable
  - Automatic type change
  - Password-protected access levels
  - Daily/monthly and worker statistics
- Data transfer to line computer for data traceability

Scope of testing

- Testing of speedometer sensors on Hall effect basis by means of original encoder wheel at defined distance and defined speed
- Rotation angle Resolution 0.015°, recording 1 revolution with 15 bit resolution at nmax = 6000 1/min
- Measurements:
  - Signal voltage, resolution 1 mV
  - Current consumption, resolution 0.01 mA
  - Phase position, resolution 0.015°.
  - Rise / fall time, resolution 50 ns
  - Jitter, duty-cycle, edges, min/max signal voltage

Input-/visualisation units

- Keyboard
- Monitor

Test time

- Individual, depending on test scope

Exemplarly device type

- 114 0031

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