



## Adjustment/testing system for intelligent vision sensors

### Product description

The system is used for the automatic final inspection of camera sensors with integrated illumination. Various targets are controlled in the integrated tunnel for functional testing of the sensors.

### Field of application

Research & development, quality control and end-of-line inspection in the production/manufacturing area



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### Technical data

#### Test bench/device

- Final test station with optical test track in target tunnel
- Target tunnel with 8-fold optical target with motorized precision positioning
- Changing devices for different specimens
- Measuring and supply technology in the switch cabinet
- Control and evaluation PC

#### Software

- TST-WIN under Windows
  - Process control
  - Variant management
  - Extensive possibilities for controlling the process and the measurements
  - On-line visualization Measurement process and image acquisition
  - All settings and processes menu-driven and freely programmable
  - Extensive evaluation and statistical possibilities, data export
- Database server for process data evaluation

#### Scope of testing

- Integrated algorithms for image analysis/evaluation, illumination and focus adjustment
- Test of different interfaces (Profibus, RS485, RS232)
- Test of I/O lines to be tested
- Version control
- Software boot
- Programming of customer-specific parameters
- Test Real-Time-Clock
- Display test

#### Input-/visualisation units

- Keyboard
- Monitor
- Labelprinter

#### Test time

- Individual, depending on test scope

#### Exemplary device type

- 374 2065