

INDUSTRIAL VISION SENSORS AND SYSTEM SOLUTION

Customized to meet the needs of various applications, vision sensors deliver a powerful and flexible solution.

They are designed for simple installation and operation without the need for programming knowledge.

Vision sensors are much more efficient and flexible than photoelectric sensors, but their design is simpler, and therefore more cost-effective than traditional imaging systems.

Vision sensors are particularly suited for sorting, checking, and evaluation. They are used, for example, for rack fine positioning in high rack storage areas or to detect incorrect sheets in print post-processing.

Vision Systems are the most complex step in image processing. They are tailored to the specific requirements of each application.

The center of our vision system solutions is the VMT Vision Machine Technic Bildverarbeitungssysteme GmbH – a company belonging to the Pepperl+Fuchs group.

VMT supplies turnkey image processing and laser sensor system solutions that are suitable for almost all branches of industry, from automotive to pharmaceutical. The highly qualified team of experts has 20 years of experience in industrial image processing.

VISION SENSORS

AT A GLANCE

Rack fine positioning in high rack storage areas

- Extremely precise positioning of stock feeders
- Intelligent industrial vision

Versatile optical detection

- Intuitive operator interface
- High detection reliability by combining various evaluation methods

Sheet inspection

- High-speed image comparison (up to 6 m/s and 12 sheets/s)
- Intuitive Teach-In
- Image and code matching in one sensor



VMT VISION SYSTEMS

AT A GLANCE

Supply Program

- Industrial image processing and laser sensor systems for integration into existing and new production plants.
- 2D and 3D visual robot guidance
- Robot position control
- Robot path correction
- Geometric inspection
- Inline measurements
- Check to ensure complete and correct assembly
- Clear text and barcode reading
- Verifiable systems for the pharmaceutical industry (FDA Standard)
- Adhesive application inspection

LASER LIGHT SENSOR

AT A GLANCE

- Laser light sensor for 3D-measuring as a system component
- Robust measuring also with different object- and background color
- Laser class 1
- More insensitive against incidence of extraneous light compared to conventional camera technology

VMT
PEPPERL+FUCHS