



Camera 2D and 3D inspections of

- ✓ shapes and dimensions
- ✓ presence of parts
- ✓ surface quality
- ✓ colour and shades
- ✓ quality and presence of text
- ✓ automotive headlamps

INDUSTRIAL CAMERA SYSTEMS

CAMERA INSPECTION STATIONS

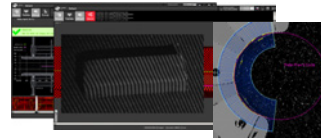
MACHINE VISION / CAMERA SYSTEMS

We have our own development laboratory where we are able to simulate and test various combinations of optical systems to design the optimal solution for the customer. In the field of machine vision, we have become a partner of the worldwide leading manufacturers of camera system components and thus we have the best possible equipment for our implementations. We are a leader in the field of automotive headlamp testing. Our testers are used by the biggest headlamp manufacturers throughout the world. We also implement highly technically demanding applications fitted with infrared and high-speed cameras.



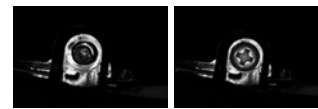
2D AND 3D INSPECTION OF SHAPES AND DIMENSIONS

Inspection of product shapes and dimensions in order to detect defective items early and compare identified parameters with the manufacturer's defined production quality requirements.



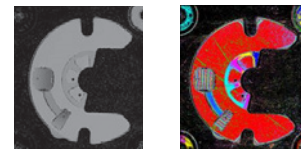
INSPECTION OF PRESENCE AND CORRECTNESS OF PARTS

Camera inspection of presence of all required parts when completing products including their correct positions in accordance with the structural drawing or wiring diagram.



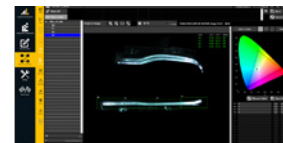
SURFACE QUALITY CONTROL

Machine inspection of flaws and various surface defects from different stages and parts of production processes (such as moulding, welding, soldering, milling, bending, painting, etc).



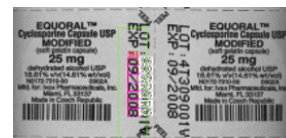
INSPECTION OF COLOURS AND SHADES

Inspection of colour deviations of products against their predefined colour specification.



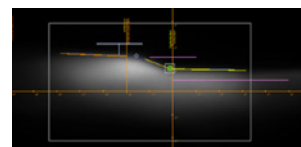
INSPECTION OF QUALITY AND PRESENCE OF TEXT

Optical character recognition (OCR) in order to check print quality and contents. Further automation of the production process is possible in relation to the contents of the read text.



INSPECTION OF AUTOMOTIVE HEADLAMPS

Supplies of fully automated machines for inspection and adjustment of automotive headlamps in production and camera inspection subsystems for production lines.



IMPLEMENTATION OF INDIVIDUAL CUSTOMER'S REQUIREMENTS

Implementation of feasibility studies and designing camera system solutions including SW solutions according to customer needs.

- Supply of complete fully automated systems
- Sub-supply of complete camera systems or individual components and accessories

