The faster way
to an
optical inspection

mvIMPACT Configuration Studio - The smart solution for beginners, advanced users and experts.

Ideas and products
Made in Germany

In the industrial image processing area, MATRIX VISION has become an important partner for customers worldwide.

Our strong-points

- Intuitive creation of inspections
- Easy to use
- Straightforward tools
- Wizards for automatic settings
- Web-based software solution
- Time-saving due to automatic image analysis and tool parameterization
- Extendable using customer specific tools
- Based on HALCON
- Easy to adapt GUI
- Multi-language GUI
- Ready for Industry 4.0
Open mvIMPACT-CS using a browser, select your camera and start.

Generate a tool chain to define the sequence of the inspection. Teach the test area, the wizards will assist you, and now the optical inspection will work for you.

**Setting**: Recognition of labels to assign a packaging element to a product group; with simultaneous detection of the orientation for automated (or semi-automated) processing during production and packing.

**Positioning**: With the tool box you can establish a pick & place application in a few steps. In each triggered image you can gather the positions of up to four objects. Robots can use the evaluated coordinates of the object positions to pick them quickly and reliably.

**Identification**: Read operations like OCR, 1D or 2D code will verify if texts match the graphical information (data matrix).

**Quality control**: With the mvIMPACT Configuration Studio you can realize complex and combined inspection operations (in the example the switch position of a DIP is checked. DIPs with wrong positions will be removed).

**Measure**: The wizard function of mvIMPACT-CS supports the user during the creation of an inspection (in the sample, a dental floss container is checked if the placement was successfully).

**Sorting**: Recognition of labels to assign a packaging element to a product group; with simultaneous detection of the orientation for automated (or semi-automated) processing during production and packing.

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- Aside from our extensive range of standard products we develop custom-specific solutions which provide maximum utility for the user as a result of continuous improvement.

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Legal notice:
The contents of this brochure are intended to provide information only and to show possible examples. We reserve the right to change technical data and construction at any time without prior notice. The technical specifications of customer systems and of our current products have to be clarified when ordering.

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