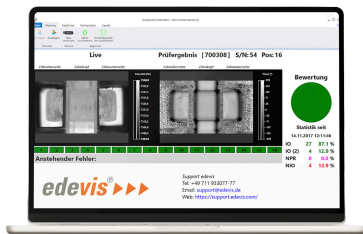


DISPLAYING 7 AUTOMATION

Software for fully automated thermographic inline inspection



Automate inspection processes, evaluate results directly and integrate data seamlessly. Displaying 7 Automation is a modular software solution for automated non-destructive inspection processes. It controls data acquisition, evaluation and result processing directly within the production cycle and can be adapted to different inspection workflows.

OPC UA/DA, digital I/O, SQL database connectivity and barcode/DMC integration support seamless integration into existing production environments. Automated evaluation, role-based operating concepts and optional machine-learning functions enable reproducible inspection workflows from data acquisition to OK/NOK classification.

YOUR ADVANTAGES AT A GLANCE

Fully automated inspection: Data acquisition, analysis and result evaluation are integrated directly into the production process

High repeatability: Standardized inspection sequences support reproducible results in serial production

Flexible system integration: OPC UA/DA, digital I/O and axis control support connection to PLCs, machines and handling systems

Integrated data management: Inspection results can be stored and processed in local or central SQL databases

Automatic component identification: Barcode and Data Matrix Code recognition links inspection results to the corresponding component

Modular expansion: Crack Detection, Automation IO and customized modules enable adaptation to individual inspection tasks

TECHNICAL INFORMATION

SOFTWARE:	DisplayImg 7 Automation
APPLICATION:	Automated inline and serial inspection
DATA ACQUISITION:	Fully automated
EVALUATION:	Real-time capable, optional machine-learning support
INTERFACES:	OPC UA/DA, digital I/O
DATABASES:	Local or central SQL databases
IDENTIFICATION:	Barcode and Data Matrix Code recognition
AXIS CONTROL:	Support for external axis systems, e.g. edevis EDE3AC or Festo CMMO
USER CONCEPT:	Operator mode and expert access for administrators
TOOLBOXES:	— Crack Detection — Automation IO — Customized modules
HARDWARE COMPATIBILITY:	Cameras and excitation modules supported by DisplayImg Professional
OPERATING SYSTEM:	Windows 10 or 11, 64 bit
MEMORY:	Min. 16 GB
PROCESSOR:	Min. Intel Core i5, Intel Core i7 recommended
GRAPHICS:	High-performance integrated or dedicated NVIDIA/AMD graphics

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Headquarters

Institut Dr. Foerster GmbH & Co. KG

In Laisen 70
72766 Reutlingen
Germany

+49 7121 140 0
info@foerstergroup.com

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