EVT Hole & Void Inspector

Based on EyeVision Machine Vision Software

Detection of holes with Thermal Imaging

The Hole and Void Inspector is based on active Thermal Imaging
The HVI can detect concealed holes and voids in diverse material such as e.g. wood, caoutchouc, plastic, foamed material or fiber-reinforced plastic material.

For active and passive Thermal Imaging

Active Thermal Imaging means that the object is irradiated with heat. Passive Thermal Imaging means that the object is heated during the production process. Afterwards a thermal imaging camera inspects how the material is cooling down.
Holes and voids have different heat flow than the material and can therefore be detected.

precise for a 100% In-line control

Features

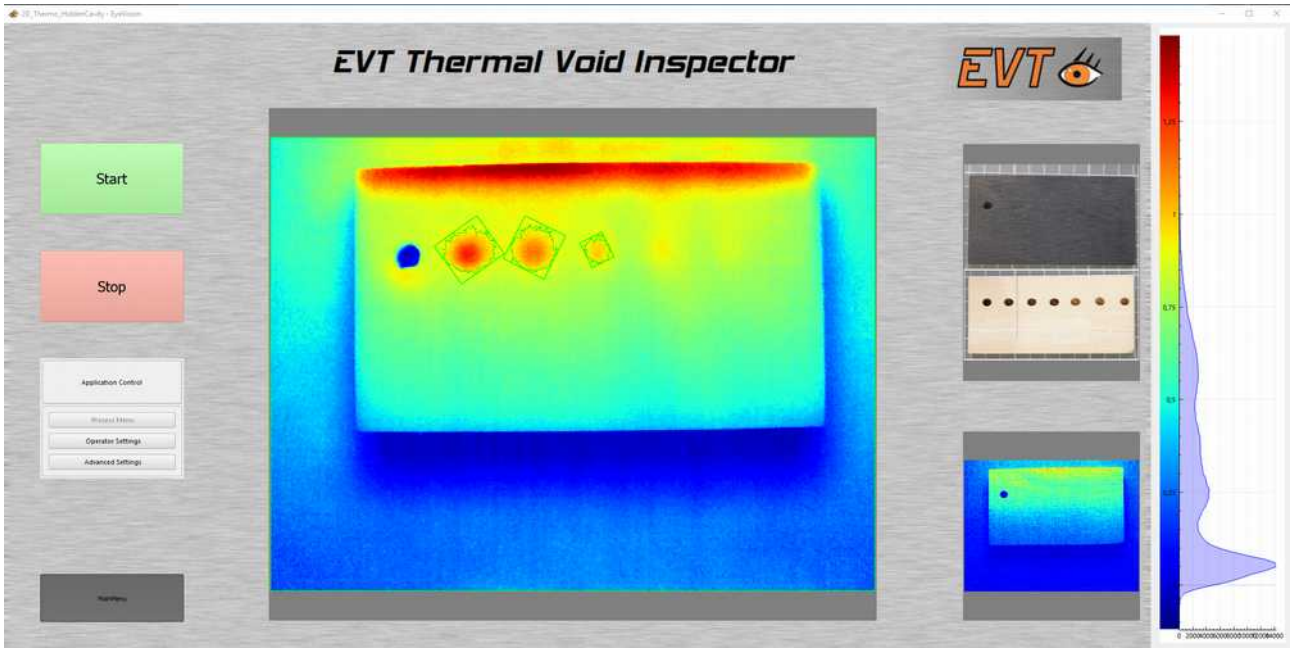
For thermal imaging cameras by Flir and Optris

Interfaces:
GigE, USB, RS232, RS485

Easy integration into
- Trackersystem
- SCADA
- PLC

Communication protocol for
- Profinet
- OPC UA
- Modbus
- UDP & TCP/IP

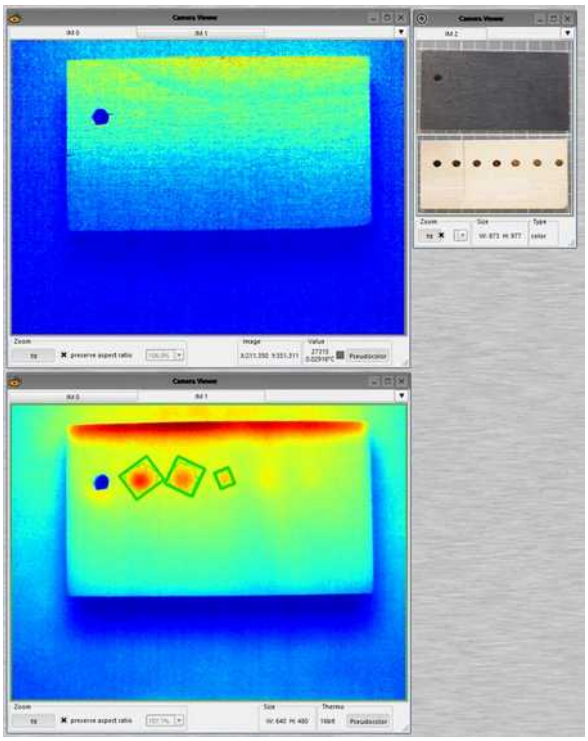
Stand-alone System or Headless System



EVT HVI Process Mode: detection of holes in wood and metal

Interfaces and protocols

The System can communicate via the hardware interfaces with a tracker-system as well as with SCADA or PLC.
With the communication protocols such as Profinet, Modbus, TCP/IP & UDP the system can communicate with the machine.



Stand-alone or headless System

The stand-alone-system is available with user interface and can be programmed locally.
The headless system is programmed remotely from a master computer to update already existing machines.

The inspection results can be sent via the integrated webserver to a browser.

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We are happy to help!