



voidsy

3D V-ROX

**Advanced Photothermal Inspection
with 3D Defect Reconstruction**

Contactless defect analysis with enhanced structure and depth evaluation

The voidsy **3D V-ROX** is designed for any automated inspection tasks where defect detection alone is not sufficient. By combining active thermography with thermographic 3D reconstruction, the system enables deeper insight into material conditions and internal defect structures. Its integrated design makes the system ideal for advanced inspection workflows requiring higher information density.

Built for Advanced Automated Defect Analysis

3D V-ROX transforms thermographic measurement data into detailed structural information for enhanced evaluation of materials and component conditions. The system supports fast and efficient inspection processes in automated settings while providing additional analytical depth beyond conventional 2D defect detection.

Key Benefits

- **Enhanced Defect Evaluation**
Provides 3D-insight into defect structure, size, and depth
- **Increased Information Density**
Generates additional inspection data for advanced material assessment
- **Faster Decision-Making**
Minimizes further inspection effort through precise first-pass analysis

Recommended Software

voidsy Inspect Professional:

Optimized for advanced thermographic analysis through 3D reconstruction and high-information inspection workflows.



Technical Specifications

- **Compact sensor head:** 423 × 270 × 130 mm
- **Spatial / depth resolution:** up to 610 / 100 µm
- **Inspection area:** up to 400 × 320 mm
- **Total system weight:** < 6,5 kg
- **Power supply:**
4,3 kW @ 230/400 V~ / 50 Hz or
4,3 kW @ 230 V~ / 50 Hz or
4,6 kW @ 120/240 V~ / 60 Hz
- **Connections:** 1GBase-T IEEE 802.3ab,
Auxiliary Connector

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