



PRESS RELEASE

July 2025

Desoutter introduces NAVIS: The quality control inspection machine

Inspect smarter. Produce better.

This standard and ready to use system ensures flawless delivery by combining hardware integration, AI, and traceability to handle high-complexity inspection tasks.

NAVIS: the automatic quality inspection answering the manufacturing needs

NAVIS, from Neadvance product range, is an automatic quality inspection system. The inspection area is equipped with strategically positioned cameras to capture comprehensive visual data. These cameras are placed around the object to ensure full coverage from multiple sides.

NAVIS was born of some observation:

- High-volume, repetitive tasks need automatic inspection in order to faster line throughput and get less expenses on labor
- Critical quality requirements need automated, precise vision inspection to ensure zero-defect delivery and less PPM levels
- Disconnected systems need seamless traceability and data integration in order to have traceability and quality control assurance and effective and efficient FMEA
- High cost of failure must be replaced by an efficient production to reduce the total cost of quality and erase human errors



The inspected device is placed inside a semi-sphere structure that is fully covered with high-power white LEDs to create a uniform, diffuse illumination environment. The device is automatically inspected and the system stores and sends the inspection results to the Factory Information System (FIS)

NAVIS: different applications, same performance

NAVIS is highly customizable: it can be tailored to specific needs, including complex inspection, classification, or anomaly detection. Easy to set up new equipment and add new inspections.

It answers to these products needs:

- Infotainment equipment
- Electronic control units (ECUs)
- Meters and domain controllers
- Car navigation systems

Get the best-fit build topology

Based on your specific needs including device size, takt time and footprint.

NAVIS Slim (pictured) is designed for smaller devices that do not require full 360° inspection.

NAVIS TT is designed to reduce handling time by allowing the operator to load a new device while another is being inspected.



NAVIS TT



NAVIS Slim

For more information about NAVIS, visit: [NAVIS - Automatic Quality Inspection](#)

[Watch our videos](#)

Images and captions: [Desoutter photo gallery](#).

About us

Founded in 1914 and headquartered in France, Desoutter Industrial Tools is a global leader in Advanced Assembly & Advanced Drilling solutions serving a wide range of assembly & drilling manufacturing operations, including Aerospace, Automotive, Light and Heavy Vehicles, Off-Road, General Industry. Desoutter offers a comprehensive range of Solutions (tools, data analytics, process control, service and customized solutions) to meet the specific demands of local and global customers in over 170 countries. The company designs, develops and delivers innovative quality industrial tool solutions, including air and electric Screwdrivers, Advanced Assembly Tools, Advanced Drilling Units and Torque Measurement Systems.

MEDIA CONTACT

Digital Customer Experience Department
communication.desoutter@desouttertools.com



<https://www.desouttertools.com>