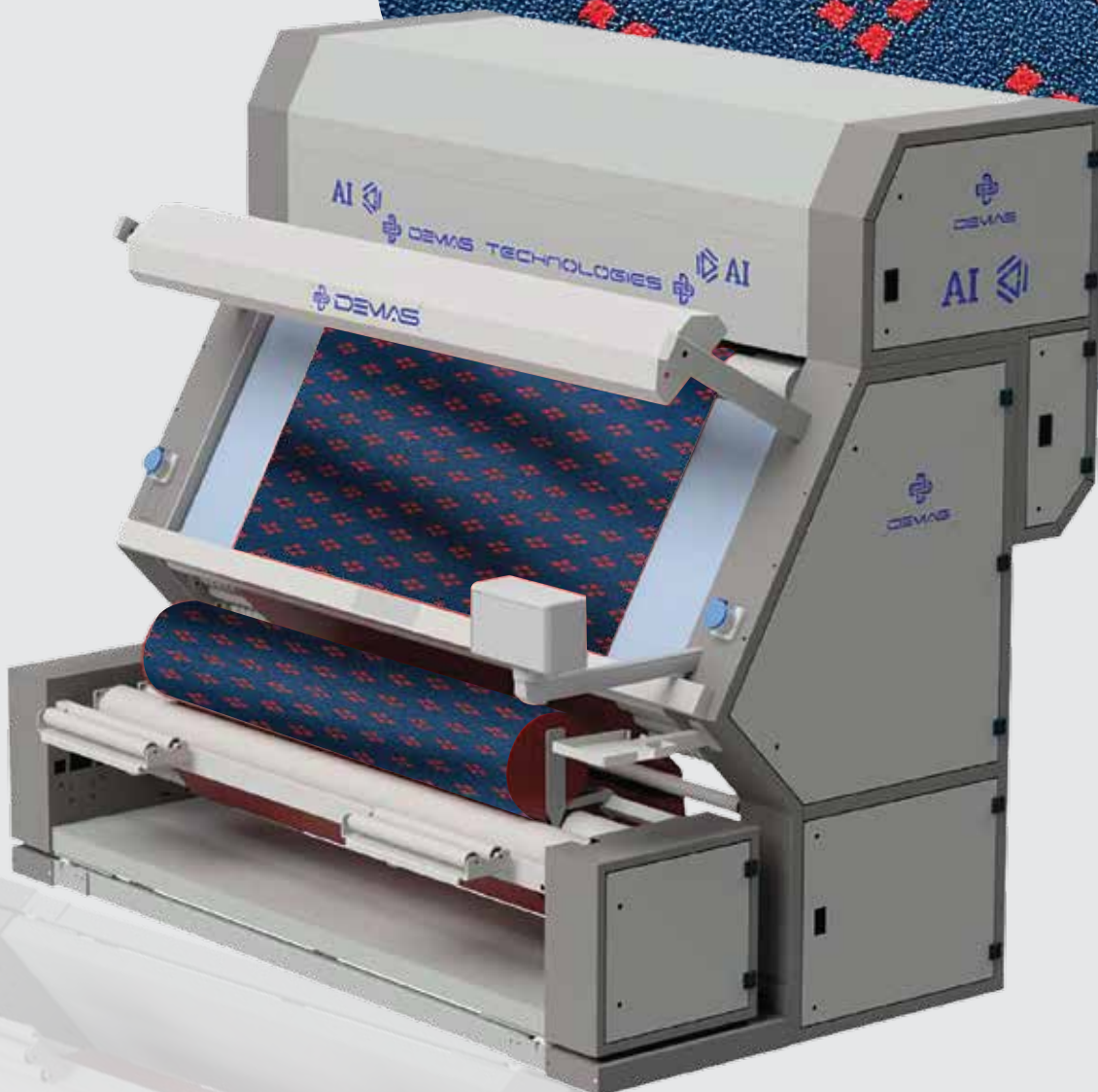


WE CATCH WHAT OTHERS MISS



DEMAS[®].AI
CAMERA QUALITY CONTROL SYSTEMS



TECHNICAL TEXTILE

COMPOSITE FABRICS

PLAIN FABRICS

PATTERNED FABRICS

PRINTED FABRICS

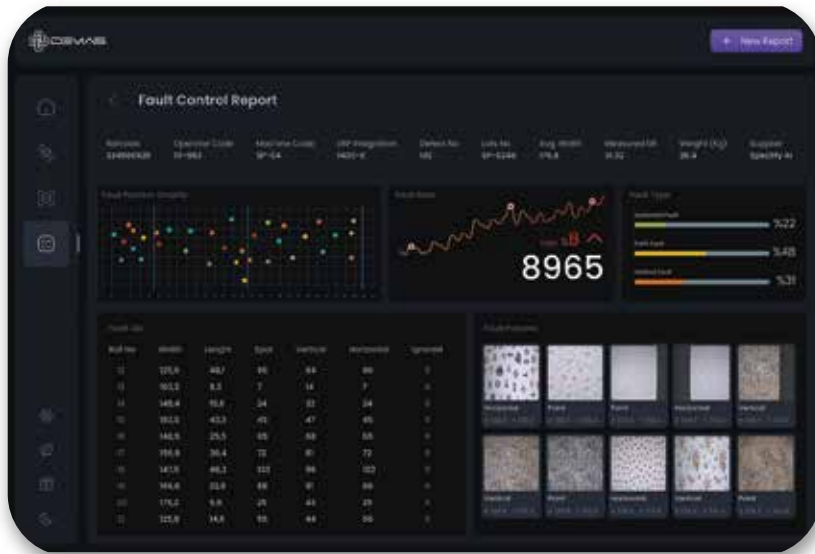
DENIM FABRIC

GREY FABRIC



A New Revolution in Fabric Quality Control

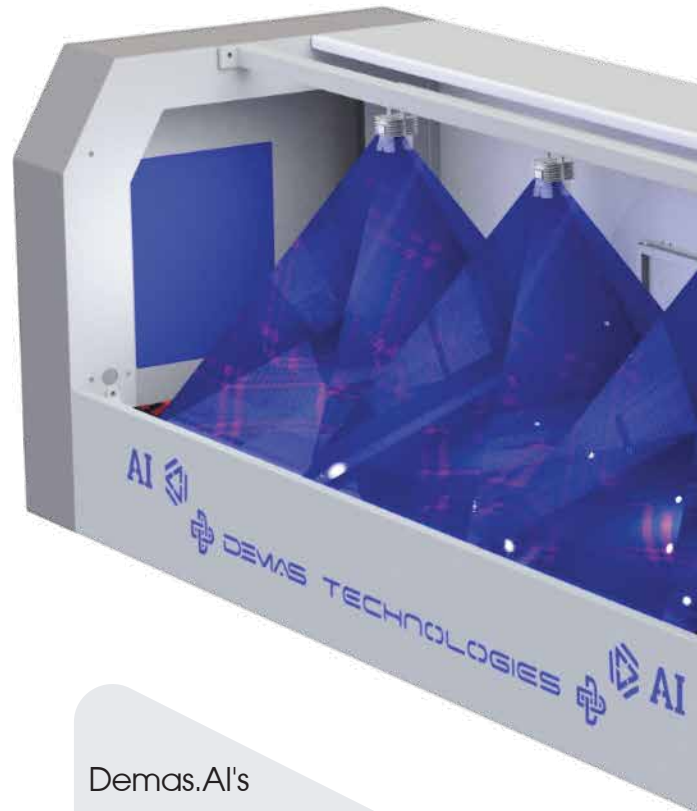
Traditional manufacturing processes, which rely entirely on human control are now being transformed by artificial intelligence solutions. These processes previously limited by human capabilities are showing significant progress in critical areas such as quality control, speed, energy savings, sustainability and cost in the new era. Artificial intelligence technologies that can be integrated into existing manual systems stand out with the aim of becoming a pioneer in industry operations as part of the digitized and increasingly valuable data-driven world.



With its innovative interface, DEMAS.AI not only detects the defects during real-time streaming also simplifies the operator monitoring process. It can integrate with third-party software and generate instant reports.

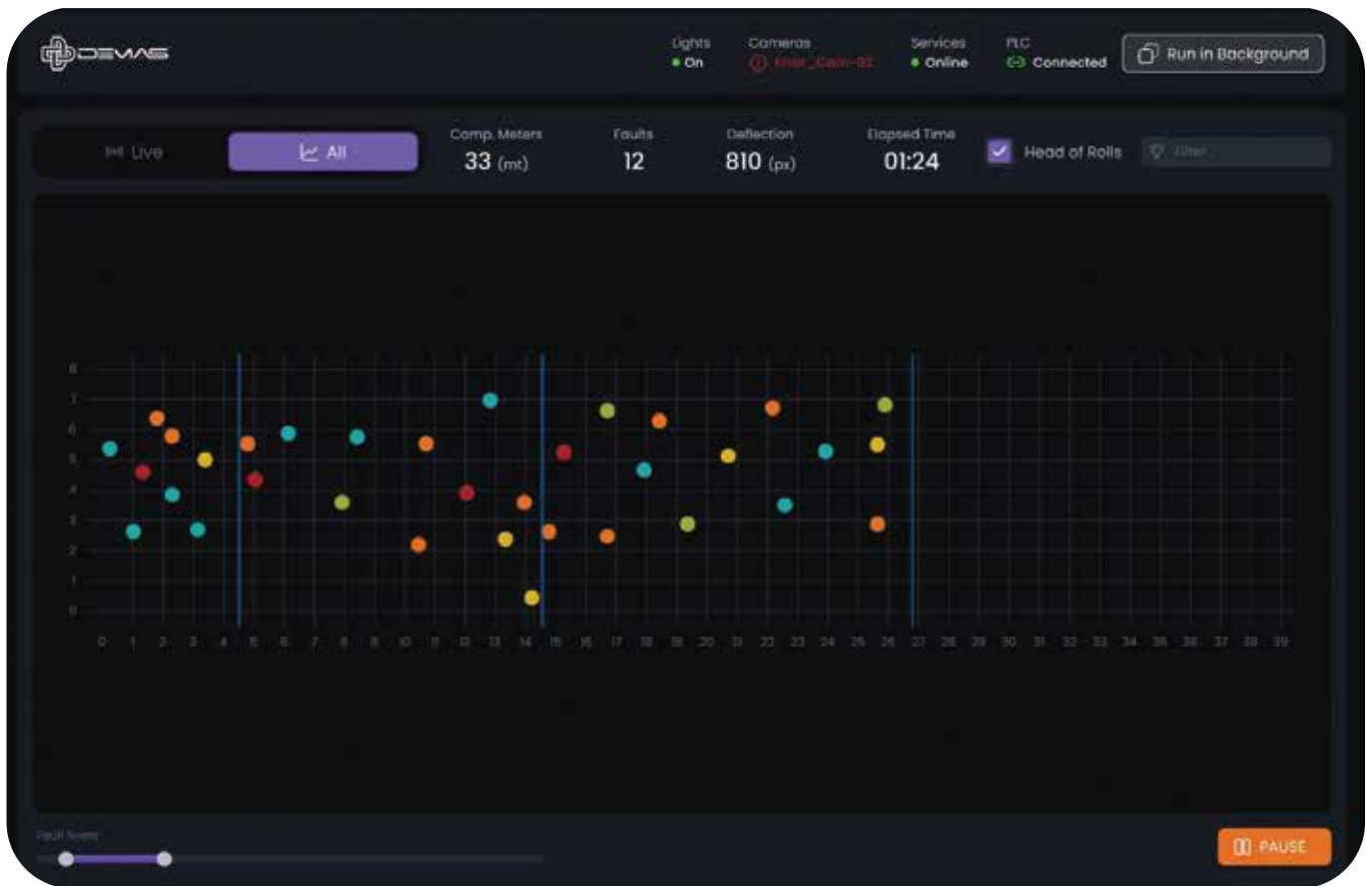
Demas.AI is revolutionizing traditional, human-driven fabric quality inspection processes with its ground breaking technology.

This innovative device by Demas.AI instantly detects fabric surface defects through AI-based analysis, accelerates inspection processes and optimizes material usage for greater efficiency.

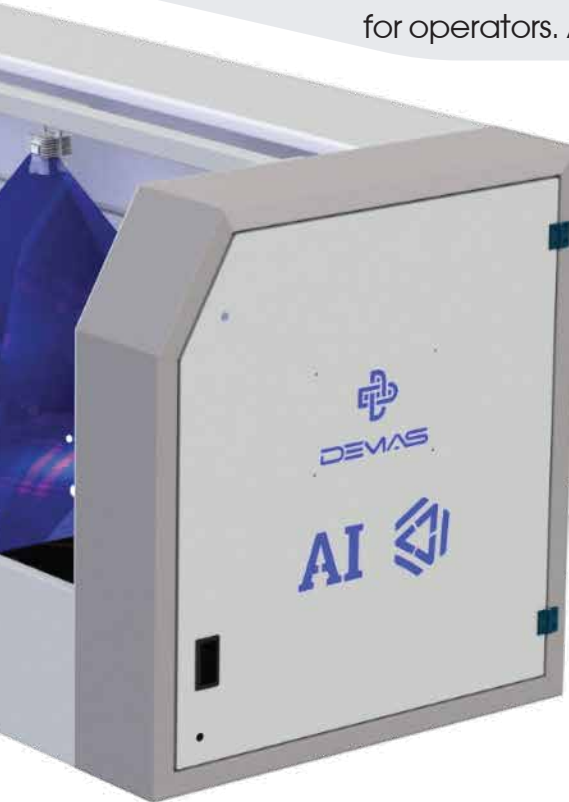


Demas.AI's modern and innovative interface detects defects during real-time streaming, simplifying the operator monitoring process.

Smarter Vision – Stronger Quality

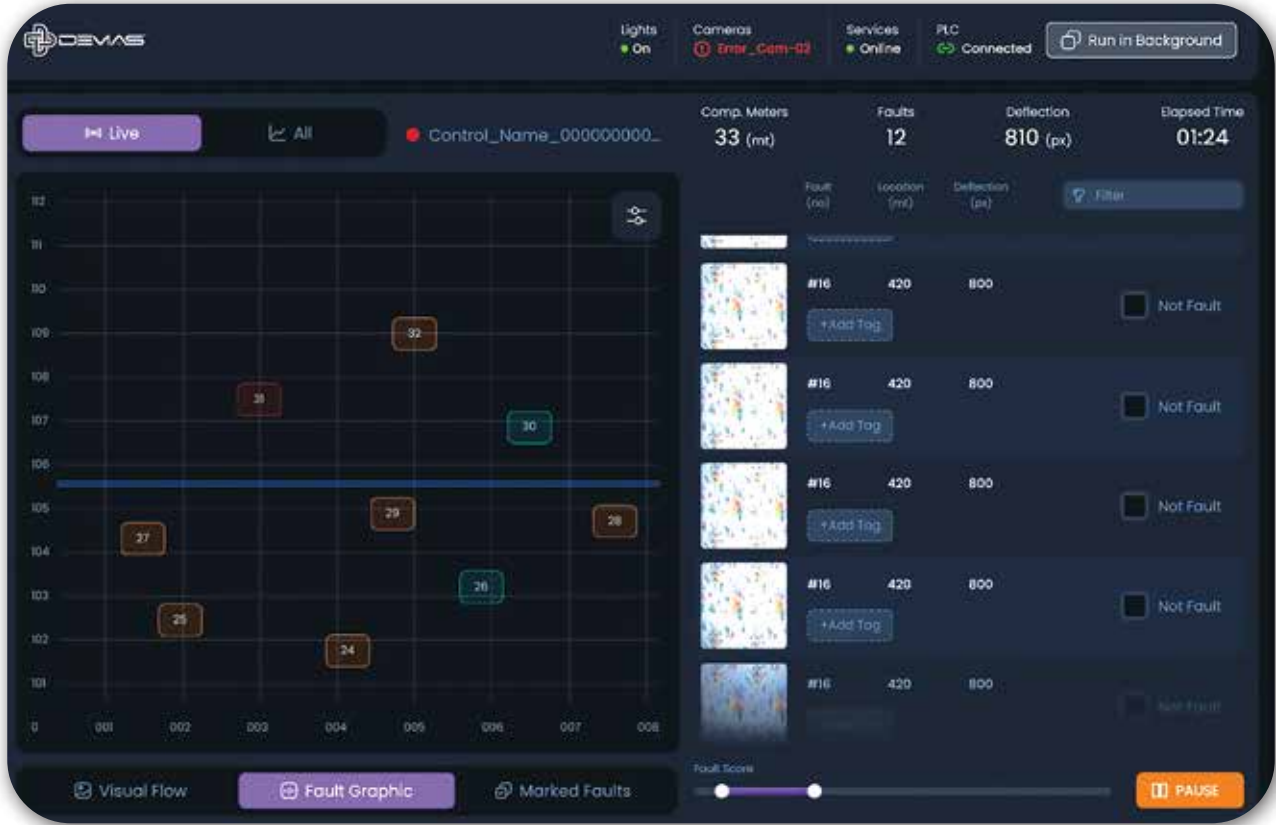


The live map displaying real-time error detections has simplified process management for operators. Additionally, the defects map is made available as a report.



- High-resolution camera.
- Maximum speed of 50 m/min for plain fabrics.
- Maximum speed of 50 m/min for patterned fabrics.
- Adjustable defect sensitivity.
- Integrated operation with ERP system.
- Thermal camera for defect detection.
- User-friendly interface.
- Continuous defect tagging and monitoring system.
- Real-time defect detection and mapping method.
- Real-time measurement of fabric width, length and weight.
- Intelligence reporting infrastructure with barcode printing feature.
- Live reporting feature during streaming.
- Real-time autonomous artificial intelligence supported surface analysis system.

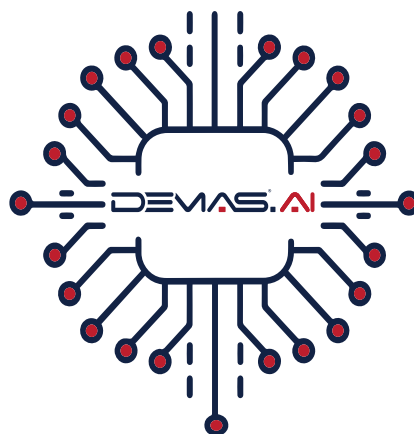




The system displays defect images and their real-time locations in front of the operator through a user-friendly interface. Detected defects are automatically classified, recorded, and visualized on an intuitive touchscreen. A dedicated quality defect map is generated for each roll, which can be thoroughly reviewed using the integrated album software. Demas.AI offers various classification and grading options, allowing rolls to be categorized based on the number, size, and location of defects as well as specific customer criteria.

State-of-the-art hardware

- Automated real-time quality control
- Seamless integration into production lines at full operating speeds



Data-driven software

- An integrated platform that centralizes quality data
- Automated data collection, analysis, and visualization
- AI powered data processing and reporting functions for enhanced efficiency

Textile Expertise

- Continuous data-driven collaboration for optimized business outcomes
- Advanced guidance from textile experts with deep industry knowledge, supported by AI

Fabrics Defects Types



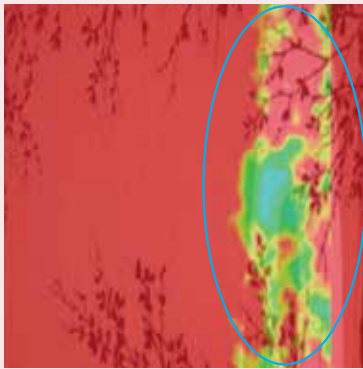
Hole Defect in Plain Fabric



Hole Defect in Heat Map



Patterned Fabric Defect



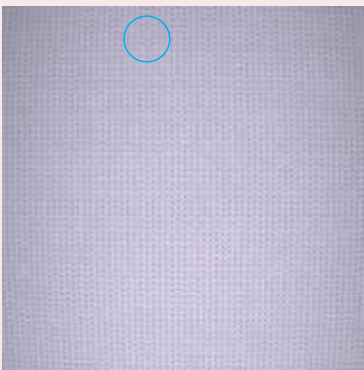
Patterned Fabric Defect in Heat Map



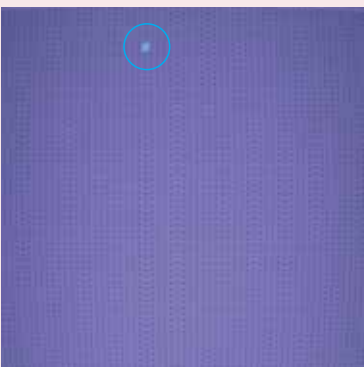
Patterned Fabric Defect



Patterned Fabric Defect in Heat Map Camera



Weaving Defect in Patterned Fabric



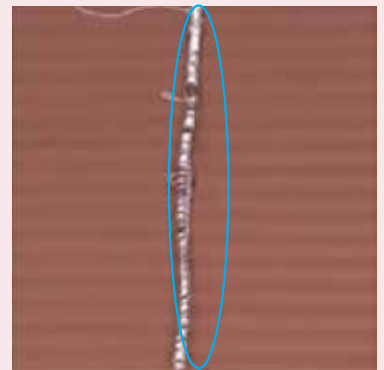
Weaving Defect in Patterned Fabric in Heat Map



Weaving Defect in Patterned Fabric



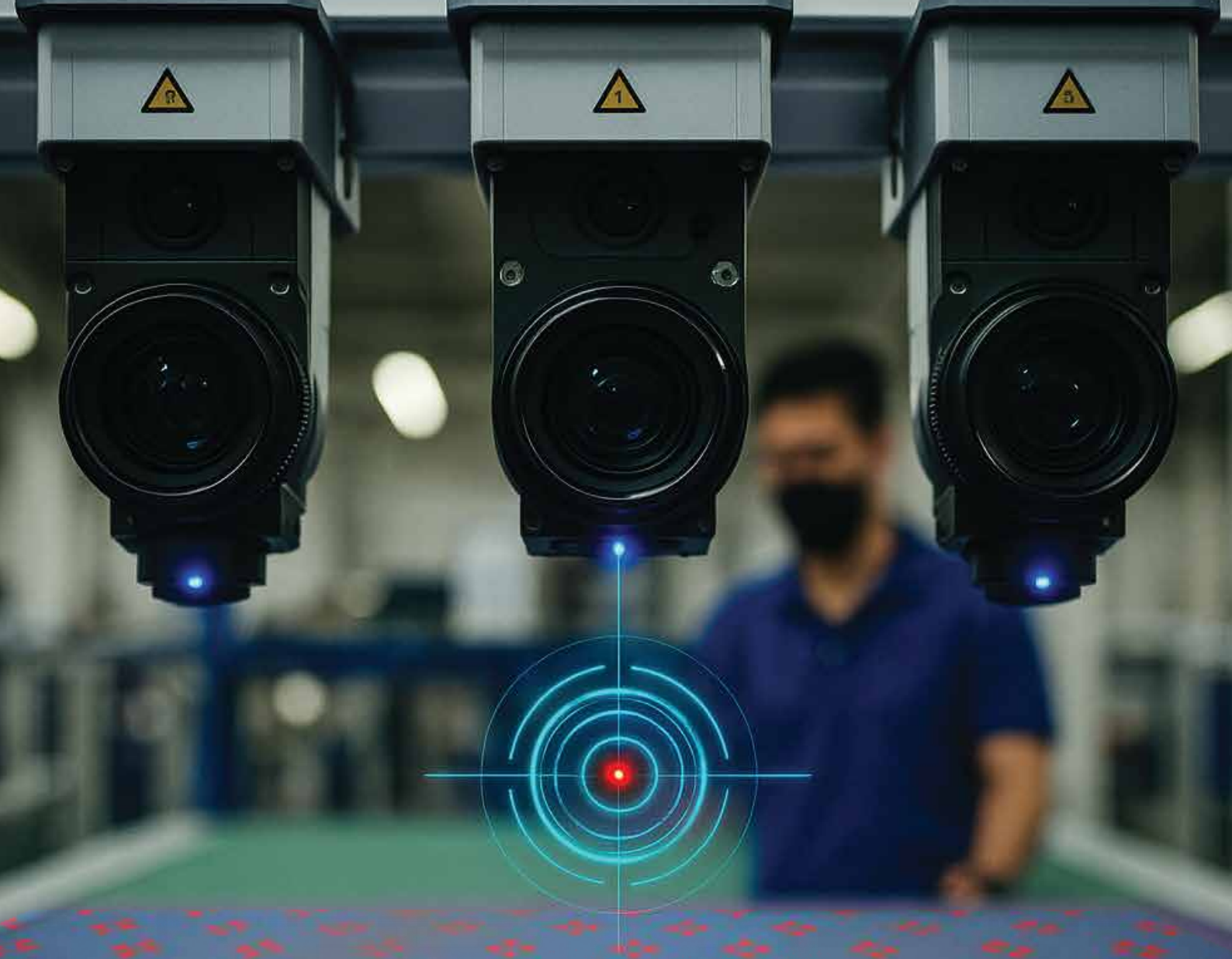
Weaving Defect in Patterned Fabric in Heat Map



Stitch Mark



Stitch Mark Heat Map



ARAMID FABRIC

AUTOMOTIVE FABRICS

CARBON FIBER FABRICS

FIBERGLASS COMPOSITE FABRICS

CARBON HYBRID FABRICS

LAMINATED COMPOSITE FABRICS

FUNCTIONAL COMPOSITE FABRICS



demas@demas.com.tr



www.demas.com.tr



DEMAS TEXTILE MACHINERY CO.

Uludag OSB Ataturk Cd. No:173/2

Gursu / BURSA-TURKIYE

+90 224 341 71 00 (Pbx)

