

● AI ScanX (Image Analysis, Good-Sample Learning & AI Inspection Software for NDT)

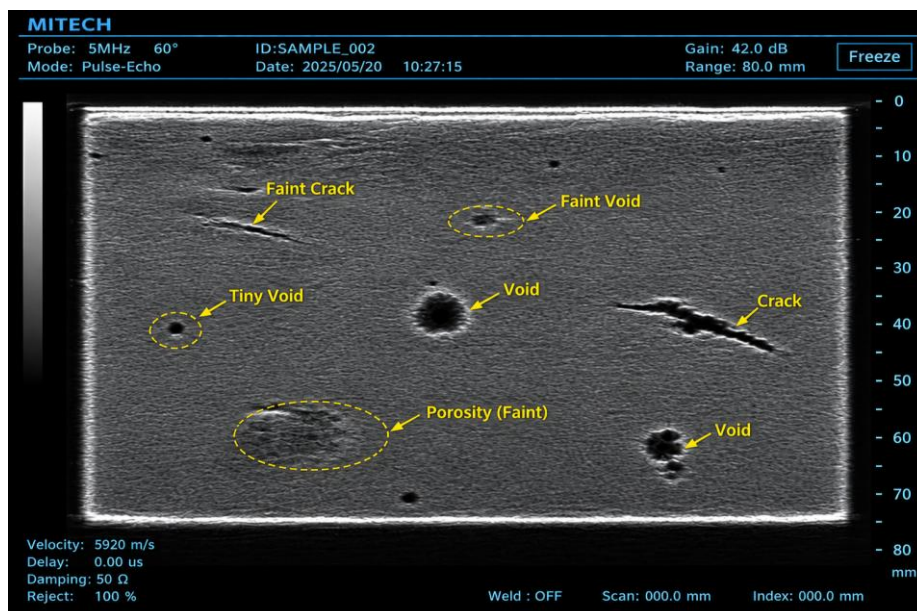
NDT **Inspection Excellence**

Image Processing

Good Learning

AI Inspection

Detect Anomalies in NDT Images



NDT Images

Ultrasonic Images

X-ray Images

Other NTD Images

Inspection Modules

① Image Analysis

Enhance contrast, apply filters, and perform measurements to make difficult-to-read NDT images easier to inspect.

● Vision Studio

② Defect Detection

Detect cracks, voids, delamination, and other defects, then determine NG based on length, area, and other measurements. Ideal for rule-based inspections.

● Vision Studio

③ Good-Sample Learning

Learn the mean and deviation from good-sample images. Ideal for setting thresholds when defective samples are limited.

● Vision Studio

④ AI Inspection

Use trained models for inference and OK/NG decisions. Suitable for anomalies that are difficult to define with rules and can be combined with image analysis.

● AI Studio

● Nondestructive Testing 【Typical NDT Images】

NDT Methods: X-ray Testing (RT), Ultrasonic Testing (UT), Infrared Thermography (IRT), Magnetic Particle Testing (MT), Penetrant Testing (PT), CT Inspection, Visual Testing (VT)

● Image Analysis

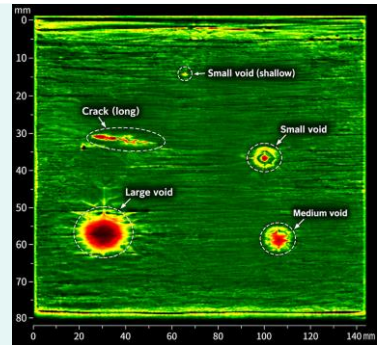
Detect defects using rules and measurements

Enhancement Contrast / Filtering
Detection Cracks / Voids / Delamination
Measurement Length / Area / Brightness (Depth Conversion)
Comparison Deviation from Good Samples

Ideal for inspections where defect size, shape, and other characteristics can be defined by rules.

Training: ● Vision Studio

【Analyzed Image & Detection】



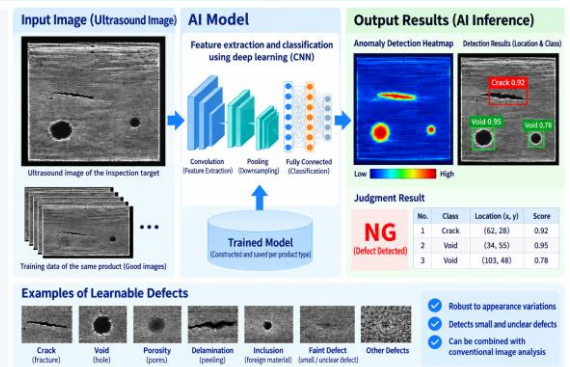
● AI Inspection

Make decisions using trained AI models
Load Load a model for each product type
Inference Determine class and score from images
Decision Output OK/NG within the same inspection flow
Combined Use Combine image analysis and AI to suit the inspection task

Ideal for anomalies with large visual variations that are difficult to define with rules.

Training: ● AI Studio

【Model Inference】



Key Specifications

Product	AI ScanX (AI NDT Inspection Excellence)
Application	Image analysis and automated AI inspection for nondestructive testing
Image Analysis	Enhancement / Filtering / Defect Detection / Measurement / Good-Sample Learning
AI Inspection	Inference using trained models; OK/NG output within the same inspection flow as image analysis
Alignment	Scan Position / Image Registration
Verification	Manual Review / Folder Verification
Inspection Output	OK / NG / Reinspection Required
Product Types	Japanese · English · Vietnamese / Up to 128 product types
Operating Modes	Windows 11 / Setup Mode / Inspection Mode

Specifications vary depending on the system configuration, equipment, models, and licenses. Please contact us for details.

Software Lineup

Studio Series	Development: Platforms	Inspection Series	Inspection: Software
MITECH AI Studio AI Development, Data, Training & Evaluation Platform	MITECH Vision Studio Image Processing Tools, Algorithm Development & Tuning Platform	MITECH AI InspeX Image Processing & Good-Sample Learning AI Visual Inspection Software	MITECH This Product AI ScanX Image Analysis & AI Inspection Software for NDT

Development Platforms → Inspection Software

Contact Us — Free Work Test & Demo Consultation

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