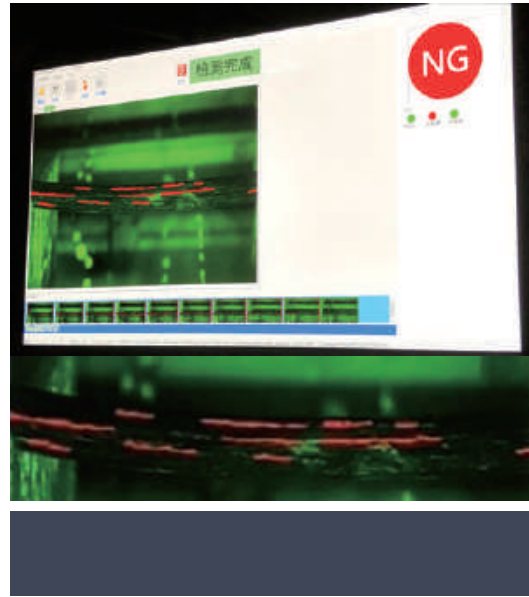
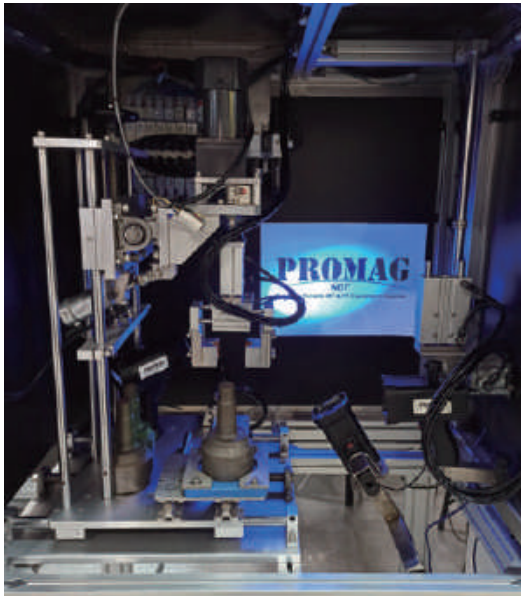


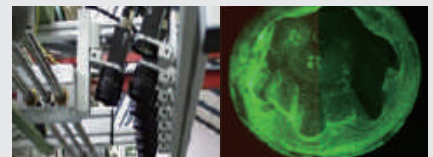
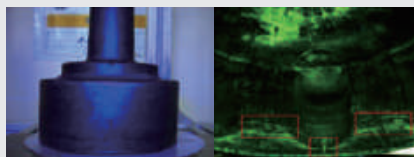
iEagle AI Robot Solutions

PROMAG's iEagle AI Robot Solutions transform non-destructive testing by automating the inspection process with advanced artificial intelligence. This system utilizes industrial cameras to capture images of test parts, which are subsequently analyzed by AI. Defects or other required findings could be identified and classified efficiently by the system without human intervention. The inspected parts could be sorted into desired categories in one system line combining with NDT benches.

Designed to boost productivity and reliability, the iEagle AI reduces inspection times, ensures consistent quality control, and provides comprehensive documentation and traceability of the results. Adaptable to various inspection methods, the iEagle AI is a revolution in the inspection industry, offering a high-speed, accurate, and cost-effective solution for quality control.



iEagle AI implementation process



PHASE 1

- Customers provide parts with valid defects and location highlighted.
- First iEagle booth with relative NDT line is built in Promag facility for feasibility testing.
- Results for proceeding Phase 2 based on the confidence rate and customer satisfaction.
- A proposal for on-site solutions will be provided.

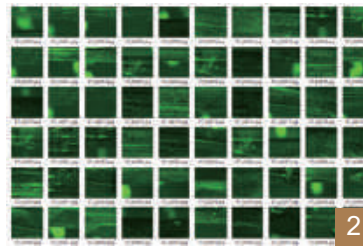
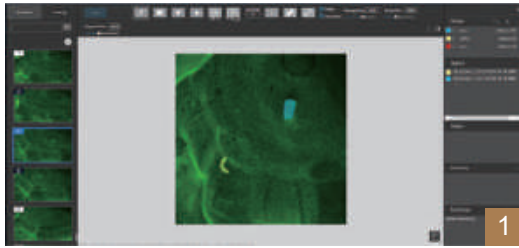
PHASE 2

- iEagle system will be built on customer site according to agreed proposal.
- The inspection results will be confirmed with qualified personnel or inspectors at the same time.
- Re-training the iEagle until it satisfies the ultimate confidence rate.

PHASE 3

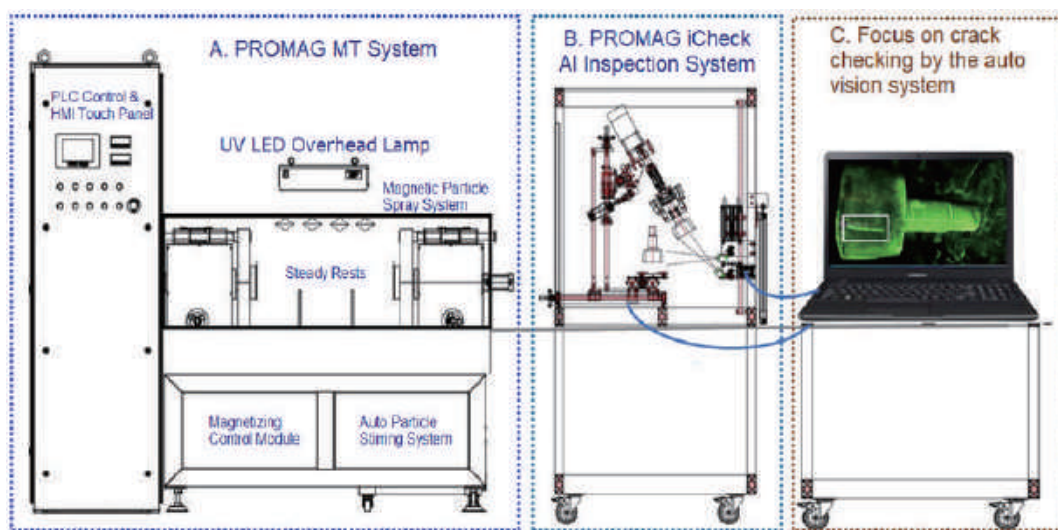
- Fully automated operation could be conducted.
- Reliability of evaluation up to 98-99%.

iEagle AI Robot Solutions



1. iEagle AI user interface
2. iEagle defect image training optimization module
3. UV LED Lamp with a camera system

iEagle AI Defect inspection system blueprint



Hardware Requirements

Module Name	iEagle-22-3000
Operating System	Windows 10 (64bit)
CPU	Minimum : Intel Core i5 / Recommended : Intel Core i7
GPU	Minimum : Nvidia RTX 1070 (RAM : 8GB) / Recommended : Nvidia RTX 3080 Ti
RAM	Minimum : 16GB / Recommended : 32GB
Output Interface	TCP / IP, Modbus TCP
Coding Interface	Minimum : .Net framework 4.5.2
Coding Language	Microsoft Visual Studio C #, C ++, VB.NET
Compatible With	NI LabVIEW 64 bits, Label Me
Language	English
Image Format	PNG, BMP, JPG, JPEG, JPE, JFIF, TIF, TIFF