

Fluorescent Penetrant Inspection System

(Customization Available)



With understanding of customization demands for FPI system from our clients, PROMAG has been dedicatedly engaged with FPI engineering and manufacturing for more than 20 years. Now our systems are manufactured and widely used among industries such as:

- Automotive part & component manufacturing
- Heavy motor part & component manufacturing
- Aerospace part & component manufacturing
- Aerospace MRO (Maintenance, Repair & Overhaul)
- Defense & Military

PROMAG FPI System is comprised of automated stations to perform FPI System processes and inspection of components.

PROMAG can tailor (customized) the line to any penetrant type and level that is needed in a specific system. An intelligent combination of automation and handling could reduce labor cost significantly.



• Auto-FPI system for aero-parts (MRO / MFG)



• Semi-auto FPI system



• FPI cabinet

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ECO FPI Series

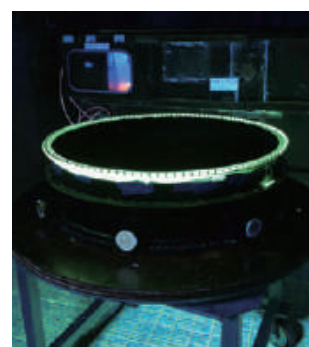
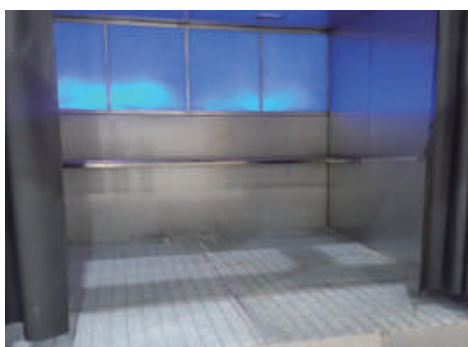
for Fluorescent PT & Dye PT



1. Modular FPI line
2. FPT station

FPI Booth with the Electrostatic-Spray

for Penetrant, Emulsifier Developer



Customized FPI System with Gantry



The work pieces are transported between each tank by gantry crane or single-arm manipulator, and the process time of each tank can be set separately to meet different process requirements.

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Customized FPI with an Auto Dual-Rail Gantry



NADCAP Approval



Customized FPI System with an Overhead Rail Conveyor



Smart FPI Solution with the remote control & monitoring system

