

ML-Lux™

Combination Certified FPI Overhead Lamp And Automatic Defect Recognition (ADR), Sizing and QR Report Generator

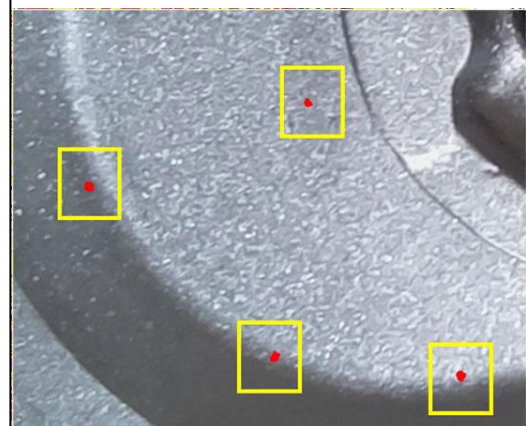
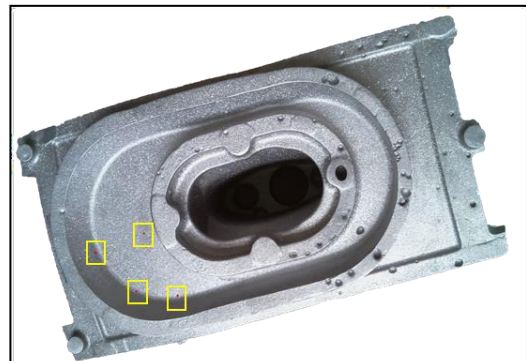
The ML-Lux™ is a single unit that combines the superb performance of our light-weight, low form-factor stationary overhead Strip Light™ with sophisticated machine vision capabilities that automatically detect and size fluorescent indications.

The system's "Beep on Detect" function alerts the operator to the presence of relevant indications and the software sizes them and automatically marks their location on a photographic image of the part for easy later identification. ALL inspections (pass or fail) get permanently recorded for 100% QA and compliance purposes.

- **100% Fully Automated inspection**
- **100% Quality**
- **Improved Gauge R&R:**
- **Significant operational cost savings**
- **Increased productivity**

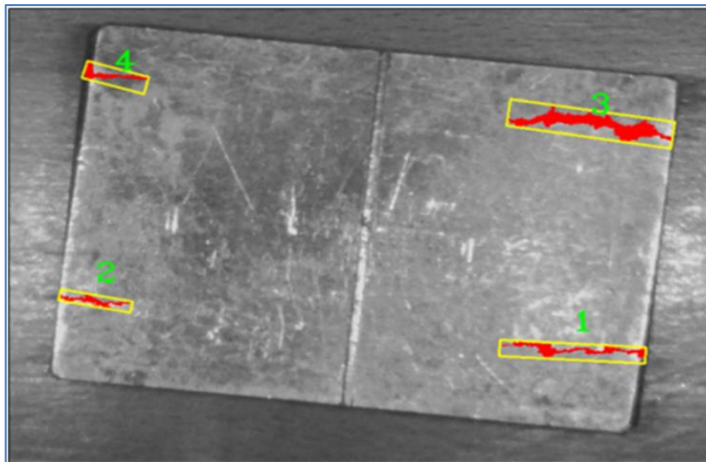
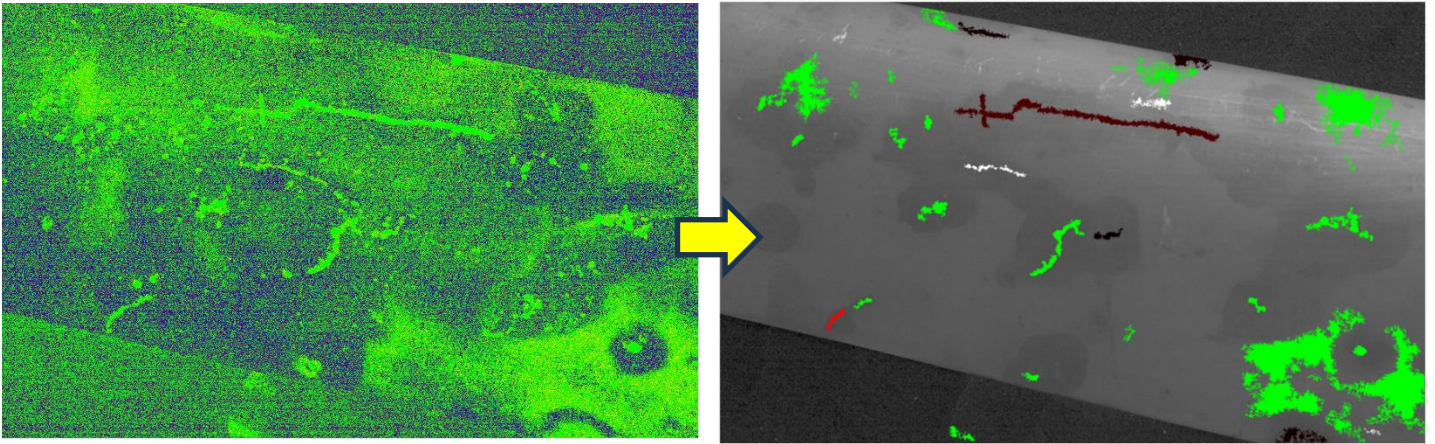


Very wide and uniform beam



"Beep on Detect" Followed by location on screen.

Permanent marked up photo for QA purposes.



Serial Number:	79678
Description:	Aluminium part
Inspector:	Martin
Location:	Leamington
Batch ID:	314IS
No of defects:	4
Defect 1	Area = 50mm ² / Long Edge = 18.5mm
Defect 2	Area = 26mm ² / Long Edge = 9.5mm
Defect 3	Area = 75mm ² / Long Edge = 22mm
Defect 4	Area = 22.5mm ² / Long Edge = 8.5mm

Automatically generates a full QA report in seconds.

- **100% Fully Automated inspection**
- **100% Quality**
- **Improved Gauge R&R:**
- **Significant operational cost savings**
- **Increased productivity**

Benefits

Integrated large beam stationary lamp and sophisticated detection and sizing machine vision system in single, lightweight, low form-factor unit A software-based detection system rather than the human naked-eye. Fully compatible with:- • The requirements of ASTM 2297 • The E 165 and E 1417 standards	• 100% Fully Automated Inspection • 100% Quality Audit • Improved Gauge R&R: • Significant operational cost savings • Increased productivity • Reduced operator fatigue
Metal bracket attached to the body of the lamp	Suspended or wall mounted.
• Intelligent output control	Maintains constant output levels, regardless of temperature. No "settling time"
• Reduced inspection time	Reduces operational costs

Intensity	Typical irradiance of 2000μW/cm2 at 38cm
Wavelength	UV-A, peak at 365+ 5nm
Start-Up Time	Full output power < 2 Sec
Power	Mains (Optional battery pack can be included)
Beam profile at 38 cm	55 cm x 30 cm / 22" x 12"
Working Temperature	0°- 50° C (automatic cut-off)
Dimensions	600mm x 75mm x 50mm (23.5" x 3" x 2")
Weight	< 2kg (4.4lb)
Certifications	• Rolls Royce • Airbus A350-900 • Airbus A380-800 • Boeing 787-9 • Boeing 777-300ER • Boeing 747-8 • Boeing 737 MAX 8 • Boeing 737 MAX 9 • Boeing 737 MAX 10 • Boeing 737 MAX 11 • Boeing 737 MAX 12 • Boeing 737 MAX 13 • Boeing 737 MAX 14 • Boeing 737 MAX 15 • Boeing 737 MAX 16 • Boeing 737 MAX 17 • Boeing 737 MAX 18 • Boeing 737 MAX 19 • Boeing 737 MAX 20 • Boeing 737 MAX 21 • Boeing 737 MAX 22 • Boeing 737 MAX 23 • Boeing 737 MAX 24 • Boeing 737 MAX 25 • Boeing 737 MAX 26 • Boeing 737 MAX 27 • Boeing 737 MAX 28 • Boeing 737 MAX 29 • Boeing 737 MAX 30 • Boeing 737 MAX 31 • Boeing 737 MAX 32 • Boeing 737 MAX 33 • Boeing 737 MAX 34 • Boeing 737 MAX 35 • Boeing 737 MAX 36 • Boeing 737 MAX 37 • Boeing 737 MAX 38 • Boeing 737 MAX 39 • Boeing 737 MAX 40 • Boeing 737 MAX 41 • Boeing 737 MAX 42 • Boeing 737 MAX 43 • Boeing 737 MAX 44 • Boeing 737 MAX 45 • Boeing 737 MAX 46 • Boeing 737 MAX 47 • Boeing 737 MAX 48 • Boeing 737 MAX 49 • Boeing 737 MAX 50 • Boeing 737 MAX 51 • Boeing 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100% Designed and Built in the UK