Webinar
Improve the Productivity and Quality of your Aircraft Eddy Current Inspection

Call in Details Below
Additional Phone Numbers Included in Your Webinar Reminder

North America Dial-In Number: (877) 437-7543
International Dial-In Number: (973) 638-3441
Conference Code: 36800917
Imagination at work.

Improve the Productivity and Quality of your Aircraft Eddy Current Inspection

Aviation inspection calls for the highest level of precision and productivity. GE’s Mentor EM allows eddy current inspectors to:

- Optimize menus and controls to inspector preferences
- Provide on-screen prompts to minimize error traps
- Load .doc’s, .pdf’s, and videos onto the inspection instrument to help guide inspectors

Join our free webinar or demonstration of the most advanced procedures for common aerospace applications, including:

- Surface inspection with absolute pencil probe
- Rotary bothele inspection
- Conductivity inspection
- Lap splice inspection

Register

Learn more about GE Inspection Technologies
Challenging New Landscape of NDT

• Aging NDT inspector population
  o How to train the next generation of inspectors

• Increasing complexity of inspections

• Drive for improved Probability-of-Detection (POD) and productivity

• Demanding EHS regulations
Addressing the New NDT Challenges

• Leveraging advancements in digital electronics, packaging, and display technology

• Expanding use of downloadable customized applications (‘apps’) for NDT inspections

• Integrating wireless communication into NDT instrumentation to allow immediate collaboration with remote experts
Mentor EM for Eddy Current Aircraft Inspection

Full Featured Eddy Current Flaw Detector

With

Capability to Add Custom Applications and Wi-Fi Enabled
Mentor EM Specifications

- Two probes inputs with independent generators
- Multiple frequencies for each probe input – 4 each
- Frequency range of 10 Hz to 6 MHz
- Compatible with GEIT/Hocking and other manufacturer’s eddy current probes
- High-resolution display with touchscreen controls
- Battery compliant for commercial aircraft transport
- Wi-Fi enabled with “Remote Desktop” capability
- Screen and user interface fully customizable using Mentor Create software
- Customizable hardware with probe and connectivity modules
Mentor EM Aerospace Applications

High Frequency Surface Inspection with Absolute Bridge Probe

Fastener Hole Inspection with Rotary Mini-drive
Mentor EM Aerospace Applications

Conductivity Measurement

Dual Frequency Lap Splice Inspection with Sliding Probe
Optimizing the Eddy Current Aircraft Inspection Experience

• Easily customize the instrument interface to optimize eddy current inspection
• Design signal presentations
• Accommodate inspector preferences
• Develop step-by-step procedures to assist the inspector and eliminate error traps
  • Embed graphics, videos, and photographs
  • Control access to key parameter settings
Mentor Create Customizes the Inspection Experience

- PowerPoint Type Application
- Drag, Drop, and Size Signal Displays
- Create step-by-step workflow applications
- Limit Parameter Ranges
- Add Figures, Photos, Videos
Mentor NDT Platform

Develop Inspection on Your PC

- PowerPoint Type Application
- Drag, Drop, and Size Signal Displays
- Limit Parameter Ranges
- Add Figures, Photos, Videos

Upload to Mentor EM

- Full Featured EC Flaw Detector
- Rugged Case
- Impact Resistant Display
- Battery Compliant for Air Transport

Mentor Create

USB or Wi-Fi
Mentor EM For Aircraft Inspection

✓ Mentor EM is a full featured eddy current flaw detector with capability of custom workflow applications.

✓ Mentor EM allows rapid aircraft inspection by all levels of inspectors - from Expert to the newly qualified.

✓ Mentor Create enables easy customization of the user interface to suit the applications and skill level of the inspector.

✓ Workflows are easily transferred from the PC to Mentor and quickly shared between remote sites.
Your Next Steps

✓ Contact your local GE Inspection Technologies sales engineer to discuss your eddy current application and receive a copy of Mentor Create at no-charge

✓ Arrange an on-site demo of the Mentor EM

✓ 10% discount for all Webinar attendees on a Mentor EM for orders placed by Mar 31, 2016
Mentor EM for Eddy Current Aircraft Inspection

Full Featured Eddy Current Flaw Detector

With

Capability to Add Custom Applications And
Wi-Fi Enabled
1 - Press and momentarily hold to power on the instrument.
2 - Connect the AC power adapter here.
3 - EM probe connectors are inserted here (optional, varies by probe type).
4 - Connectivity module includes various data ports (optional)
5 - USB
6 - Encoder Z, Alarm and Inhibit signals
7 - Encoder XY and Encoder Index
8 - Input 1
9 - Conductivity Probe
10 - Input 2
Customize Parameter Names and Values

- **On**: Channel Enabled
- **500.0 kHz**: Frequency
- **30.0 dB**: X/Y Gain
- **0 deg**: Phase
- **8.0**: Drive Voltage
- **100%**: Drive Percentage

**Control**
- **Caption**: H/V Gain

**Locked Parameters**
- **30.0 dB**: H/V Gain
- **60 deg**: Angle
- **8.0**: Drive Voltage
- **22 dB**: Receiver Gain

**EM Setup**
- **Frequency**: 500.0 kHz
- **H/V Gain**: 30.0 dB
- **Angle**: 60 deg
- **Drive Voltage**: 8.0
- **Receiver Gain**: 22 dB
- **Off deg**: Auto/Null/LP F
Once Created, Inspection Workflow App Easily Deployed...

- Local deployment to Mentor EM via USB or Wi-Fi
- Deployment to off-site Mentor’s by e-mailing app or Wi-Fi