

Eddyfi Magnifi 4.4R5 Release Notes

System Requirements

- **Supported operating systems:** Windows® 7 SP1 and all necessary updates, Windows 8, Windows 8.1, and Windows 10 (32-bit and 64-bit editions)
- **Processor:** Core i5 or better (or equivalent)
- **Memory:** 4 GB or more (recommended: 8 GB)
- **Minimum available disk space:** 500 GB
- **Recommended network:** Built-in network card (USB-to-network adapter also acceptable)
- **Display:** 13" or larger (recommended: 15")
- **Minimum resolution:** 1366 × 768 pixels
for extensive analysis purposes, we recommend using an additional external monitor, 22" or larger with a minimum resolution of 1920 × 1080 pixels.

Firmware

Included in this release of Magnifi is the following firmware:

Ectane 2

- Version 2.1R2
Update your firmware the first time you connect to Ectane 2.

New Features and Improvements

Surface Applications

- Surface ECA liftoff rotation assistant
- High-resolution Eddyfi Sharck probe setup integrated to master list
- Better import setup in Reddy instruments
- New position marker for Sharck pencil probes
- Better TECA sizing capabilities for stress-corrosion cracking
- 2D surface median filter supported by Reddy and Magnifi default setups
- 1:1 zoom button in C-scans
- Sharck functions grouped on a single ribbon
- C-scan report entry index linked to indication boxes
- Strip chart **Render All** mode supports independent coloring

Tubing Applications

- RFT calibration based on a voltage plane theoretical model and frequency compensation assistant
- RFT over speed warnings based on landmarks
- Better IRIS page layout and information
- Probot user's manual
- Assisted analysis procedures
- RFT calibration tool procedures
- Manual measurements in keyboard shortcut list
- Invert rotation button in sizing curve window
- Probot **Set Home** available on the remote control

Modifications to Existing Features

None in this version.

Dropped Features

None in this version.

Resolved Issues

- Windows appeared on the wrong display on multiple-display workstations
- Memory issue when saving very large C-scan data files caused missing data points
- Resetting MFL calibration affected the differential channel
- Raw RFT frequencies were not displayed properly
- Angle measurement convention changes were not applied to scale process
- Better resolution at 125 %
- Better C-scan mask process filter

Known Issues, Limitations, and Restrictions

- Automatic data screening is limited to shallow ID pitting in ECT/ECA tube applications
- Automatic data screening does not support RFT or IRIS tubing applications
- Measurement button does not work in the **View Sizing Curves** dialog box. As a workaround, perform your calibration in the system calibration.