Eddyfi Magnifi® 4.8R22 Release Notes

Released on: November 4th, 2021

Minimum System Requirements

- **Operating systems**: Windows® 8.1 and Windows 10 version 1607 (Anniversary Update)
  - Note: The software is tested and optimized for most major language packs available on the Windows suite.
- **Processor**: Core i5 (or equivalent)
- **Memory**: 8 GB (recommended: 16GB recommended for very large tube maps)
- **Minimum disk space**: 15 GB (Recommended 200 GB)
- **Recommended network**: Built-in network card (USB-to-network adapter also acceptable)
- **Display**: 13" (recommended: 15")
  - **Display scale** should be set at 100% in Windows Preferences
- **Resolution**: 1366 × 768 pixels (recommended resolution: 1920 x 1080 pixels)
  - For extensive analysis purposes, we recommend using an additional external monitor, 22" or larger with a minimum resolution of 1920 × 1080 pixels
- **Administrator rights :** User must have Administrator permissions on the computer to install and use Magnifi

Firmware

Included in this release of **Magnifi** is the following Package:

Eddyfi Ectane® 2

- Version: 2.1R6
  Update your firmware the first time you connect to Ectane 2.

Ectane

- Version: 1.8R5.1
  This is the same version as Magnifi 3.5R14

New Features and Improvements

Generic
- Default Master List includes a default 41-pin MS5800 setup
- New "Get Assistance" feature for improved troubleshooting/support experience

Tubing Applications

- New RFT dual receiver probe added to wizard

Surface Applications

- **Revised Sharck HR setup files with improved depth sizing algorithms ***

Modifications to Existing Features

- After creation of a new tubing setup with Wizard, strip charts are automatically configured to display the vertical component of the signal. Also, they automatically display the channel names and frequencies.

Dropped Features

- "Save data" button in the Sharck ribbon of Magnifi R removed.

Resolved Issues

- **Resolved various 2D C-scan issues affecting mainly, but not exclusively, tubing inspections:**
  - **Circumferencial ruler displaying the correct range ***
  - **Indication boxes positioned correctly ***
  - **Easier resizing of the cursor ***
  - **Etc. ***
- Correction to prioritization rules (selection of displayed pixel) when zooming out on large C-scans
- Substraction cursor calculations correctly applied and correct display of the cursor
- Modification to derivate process in advanced C-scan processes executed properly
- Raster scanning click-to-index mode adjusted to keep gaps between passes consistent
- Memory leak issues resolved
- Iris:
  - Mini cursors synchronize between the projection views
  - Displayed values in infofield and reported values synchronized
  - WT infofield displays the right value when the D-scan is hidden
  - Size and WT values shown in cases where backwall echo is missed
  - WT and WL value in projection views refresh when moving cursor in C-scan view
- Large window size supported for median filters in Advanced Processed Channels
- Closing data processing window executed properly
- No data file duplication when adding indication or renaming file
- Some actions (add a defect, tag as NDD, screen capture, etc.) are now fixed to act on the first click of the button
- Lift-off assistant feature no longer displays intermittent error messages
- Best fit function works without error notifications
- Software update through the "Check for update" menu functional

- When adding voltage plane to layout, associated control buttons are automatically displayed
- Calibration values correctly applied during C-scan calibration in EDF measurement convention
- Sharck™ wizard made inaccessible to avoid generating a faulty setup
- Fix to indication boxes in C-scan disappearing between acquisitions
- Maximum scan size reduced in raster scan mode with Spyne

Known Issues, Limitations, and Restrictions

- Data saving not available when in Cal.check mode and Lift-off assistant mode
- 3D C-scan display issues (related to Windows 10 drivers)
- 2D and 3D polar C-scans display issues (related to Windows 10 drivers)
- Loss of signal amplitude on transmit-receive channels with I-flex topology when SDL or SDD used simultaneously with ABS topology
- Report generator does not support high quantity of indications with screenshots
- Sharck Fillet Weld Probe - Transverse C-scan displays too many channels
- Cursor indicating current position of probe does not display in C-Scan view during acquisition
- Code view does not display C-scan saturation information
- Encoded tubing array scans contain display and synchronisation between views issues (code view scrolling, slew, etc.)

*Marked items are new to this release (R22). Others items were updated in previous releases.