![Eddyfi Technologies — Beyond current]

Eddyfi Magnifi® 4.5R8 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**: 8 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:

Eddyfi Ectane® 2

- Version: 2.1R3
  Update your firmware the first time you connect to Ectane 2.

Eddyfi Ectane®

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

New Features and Improvements

Surface Applications

- Raster scans made possible with 1D encoder and manual increment (click-to-index feature)
- Supports surface Magnetic Flux Leakage (MFL) applications
- Dedicated MFL Surface setup wizard
- Smoother C-scan scrolling during acquisition
- Orthogonal topology improved to offer better signal in impedance absolute mode
- Sharck info-field now updates automatically after *UserMat*
- ECA user guide now available (PDF included in installed files)
- 2-Input pencil probe added to probe list in Wizard

Tubing Applications

- Real-time interaction with TubePro 5.3 (to be released early 2019)
- New and improved Probot™ controller settings
- Probot™, now fully support the IRIS inspection technique
- Setup wizard includes the latest RFT flexible probe family
- NFA with circ. topology is now available in the default setup master list
- Code view is presently linked to the report; including F7, F8 indications navigation keyboard shortcuts
- Integrated tooltips in C-scan and strip chart/Lissajous views

Modifications to Existing Features

- Better landmark detection capabilities to position tube end and support plates accurately

Dropped Features

None in this version

Resolved Issues

- **Fix the software incompatibility with SurfacePro 3D**
- **Fix the Magnifi SDK incompatibility with Magnifi 4 releases**
- IRIS gates displayed to a wrong position, after performing a resizing
- After adding a new sizing curve in advanced mode, the calibration failed
- Large acquisition window now displays the right tube number
- No reset button in the Sizing Curves menu
- Calibration of sizing curves does not update the measured values
- Scrollbar not working properly
- Detect indication boundaries not saved with setup
- Add the complete path of the inspection subfolder
- Same C-scan group displayed twice
- Sharck setup wizard default value updated
- Real-time processing of 2D and interpolation median filter improved

Known Issues, Limitations, and Restrictions

- Not possible to adjust filter size, hardware gain and sizing in MFL setup
- Sharck Fillet Weld Probe - Transverse C-scan display too many channels
- Modification to the wizard changes the color palette
- Raster scan - Skipping over already acquired passes increases the displayed gain (raw data / saved data is unaffected)
- Various display issues when going backward with MFL surface probes
- Using the "Auto-adjust" option when loading data with C-scan does not work
- Automatic data screening limited to shallow ID pitting in ECT/ECA tubing applications
- Automatic data screening does not support RFT and IRIS tubing applications