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Magnifi Ignite® 6.0B8 Release Notes

Release date: November 13th, 2026

Key Features

Magnifi Ignite extends the Magnifi experience with a new edition dedicated to surface inspection workflows using the Ignite instrument. It is not compatible with the Ectane or Reddy instruments.

Magnifi Ignite 6.0B8 consists of a suite of two complementary applications: Magnifi and Magnifi Control.
Magnifi can be used for either manual or robotic inspections, while Magnifi Control is designed specifically for continuous and unattended industrial inspections in an automated environment.

Magnifi

- Workspace interface:
  - Redesigned interface to make the software more practical and easier to learn.
  - Optimized for acquisition and analysis workflows, with the most frequently used buttons always available.
  - Clean, clear interface with larger views for ease of use and screenshots that look excellent in reports.
  - Status bar showing the next file to acquire, the name of the currently opened data file, and a summary of the analysis state.
  - Quick-access sidebar for setup configuration.
  - Workspace menu for quick access to additional tools and features.
  - Layout menu optimized for layout customization and quick changes during work.
  - Side panels that are easy to toggle on and off to maximize data view size.
  - Tooltips on buttons to help users learn the software.
  - Right-click menus optimized for the most frequently used actions and displaying valuable keyboard shortcuts.
  - Cursor can be resized by clicking and dragging with the middle mouse button.
  - View headers and footers include a pop-out menu to ensure all view parameters remain accessible, even when the view is very narrow.
  - C-scan view includes a scale button for quick adjustment of the view's color range.
- Home screen interface:
  - Streamlined interface to get started quickly.
  - Simple buttons to select a work folder, apply or create a setup, and connect to the instrument.
  - Home screen displays the contents of the current work folder, making it easy to manage created files.
  - Preview pane helps users better understand the purpose and content of files.
- Additional features:

- Dashboard provides a live overview of the key parameters of the current setup and the connected probe.
- Storage embedded in the QuickLink connector allows users to store setup files and documentation directly on probes, making them acquisition-ready. The Dashboard menu allows users to edit this content. Files can be opened directly when the probe is plugged in, or from the Dashboard.
- Readback compatibility for surface setup and data files saved with previous versions of Magnifi software. Tubing and MFLA technologies are not supported.
- Setup Mode has been replaced by three intuitive save modes: Manual, On Acquire, and On Record.
- All setup types now support the Pause/Resume functionality during scans.

Magnifi Control

- Can read any setup file prepared in Magnifi Ignite.
- Can run continuously and unattended for days.
- Supports automated flaw signaling and data saving in .magdata or in an open data format.
- Can automatically connect to the Ignite instrument at startup or use a predefined static IP address.
- Simple interface for displaying current activity and error states.
- Diagnostic panel for integrators.

Generic functionalities

- Can acquire large ECA data files of up to 100 million samples.
- Licensing:
  - A Magnifi Ignite license is embedded directly in the instrument, allowing complete workflows without an internet connection.
  - Magnifi Ignite can also be used with a cloud-based license for setup preparation or data analysis without an instrument.

Known Issues, Limitations, and Restrictions

Magnifi

- Nulling issues may occur with Spyne probes.
- The feature to report all automatically detected indications is not yet available.
- Acquisition sequences prepared for Magnifi Control cannot be used to save data in Magnifi; data saving with automatic sequences is supported only in Magnifi Control.
- To open .magdata files created with Magnifi Control, a compatible setup must first be loaded.
- Changing the encoder source from the I/O connector to the ECA connector, and vice versa, cannot be done through the Wizard; it must be done through the Advanced menus.
- Modifying steps in the setup Wizard erases the existing I/O configuration.

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Magnifi Control

- Automatic calibration and calibration check sequences will be introduced in future versions.
- The real-time IIR filter applied at the instrument level does not work for clock-based scans.
- The Application Ready PDO may remain ON even if the instrument is disconnected or the sequence enters an error state.
- The Sequence version of the I/O actions must be used for compatibility with Magnifi Control.

Minimum System Requirements

- Processor: Core i5 (or equivalent).
- Operating systems:
  - Edition: Windows 11
  - System type: 64-bit operating system
- Memory: 8 GB.
- Graphics card: GPU with DirectX 11 support.
- Disk space: 20 GB.
- Network: Built-in network card.
- Display:
  - Screen size: 13 in
  - Resolution: 1024 × 768 pixels
- Administrator rights: User must have local administrator permissions on the computer to install and use Magnifi.

Recommended System Requirements

- Processor: Core i7 (or equivalent).
- Operating systems:
  - Edition: Windows 11
  - System type: 64-bit operating system
- Memory: 16 GB.
- Graphics card: Dedicated GPU with DirectX 11 support.
- Disk space: 100 GB.
- Network: Built-in network card.
- Display:
  - Screen size: 15 in
  - Resolution: 1920 x 1080 pixels
  - External monitor: 22 in or larger, with a minimum resolution of 1920 × 1080 pixels (for extensive analysis purposes)

Administrator rights: User must have Administrator permissions on the computer to install and use Magnifi.

Firmware

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Included in this release of Magnifi Ignite is the following firmware package for the Ignite instrument:

- Version: 1.0R1