

# MIZ-21C SOFTWARE 1.4.3 RELEASE NOTES

Release date: April 9<sup>th</sup>, 2025

## MIZ-21C Software 1.4.3 Product Bulletin

Eddyfi Technologies released MIZ-21C Software 1.4.3. This software version can be used on any MIZ-21C instrument that has operating system and drivers Full Flash Update (FFU) 1.1.1 or newer. Please contact our customer service at [CustomerService@zetec.com](mailto:CustomerService@zetec.com) if you have FFU 1.0.9 or earlier. This product bulletin presents an overview of the new features and changes in this software version.

MIZ-21C Software 1.4.3 has three application modes depending on the MIZ-21C model:

- MIZ-21C-SF Models: Conductivity and Coating Thickness, Sub-Surface, and Surface Cracks.
- MIZ-21C-DF Models: Adds Bolt Holes to SF applications.
- MIZ-21C-ARRAY Models: Adds Surface Array to SF and DF applications.

## Purpose of MIZ-21C Software 1.4.3

MIZ-21C Software 1.4.3 is the standard upgrade for users of previous versions of MIZ-21C software. This software release includes several new features and improvements.

Eddyfi's hardware and software development process is performed according to a quality system that is certified ISO 9001-2015. With this certified software development process, we guarantee that changes between earlier MIZ-21C Software releases and MIZ-21C Software 1.4.3 have no consequences on the sensitivity and the accuracy of the recorded data or results processed by the software.

## New Features

The following are the new features in MIZ-21C Software 1.4.3:

- Dual encoding with rotating scanner
  - Option added for "ZM5 Depth Encoder" to rotating scanner techniques.
- Dual encoding preset
  - When using the Depth Encoder technique, the axial encoder position is automatically reset to zero when starting the acquisition.
- Dual encoding distance measurement
  - When using the Depth Encoder technique, a cursor with encoder-based measurements is now shown in the measurement screen.
- Ruler display
  - When using the Depth Encoder technique, a ruler widget showing axial position information has been added to the measurement screen.
- Depth position display
  - When using the Depth Encoder technique, the axial encoder position is displayed on the Lissajous display during acquisition.

## Resolved Issues

MIZ-21C Software 1.4.3 contains no new resolved issue.

## Downloading and Installing MIZ-21C Software 1.4.3

For this or other MIZ-21C software versions, please visit [eddyfi.com/en/software/miz-21c-download](https://eddyfi.com/en/software/miz-21c-download).

To upgrade the MIZ-21C software from 1.0.9 or earlier to the new 1.4.3 version, the MIZ-21C must be returned to Zetec. Please contact Zetec Customer Service at [CustomerService@zetec.com](mailto:CustomerService@zetec.com) for a return authorization number.

The update instructions are below. Choose the option applicable to your hardware:

### **OPTION 1: To upgrade the MIZ-21C Gen2 sealed hardware to the new 1.4.3 version:**

- On a USB drive create a folder “MIZ-21C” with subfolder “Updates”: \MIZ-21C\Updates\
- Copy the downloaded zip files (MIZ-21C.Application.1.4.3.24.install and MIZ-21C.System.1.4.3.24.install) into the “Updates” folder on the USB drive
- Insert the USB drive into the MIZ-21C and go to Tools > System Updates and click Update Software and Firmware
- If rolling back version, select ‘Uninstall’, and if installing new version, select ‘Install’
- Select from the list: MIZ-21C.System.1.4.3.24.install and click OK, then wait for shutdown
- The ‘Gears’ phase will begin, then wait for shutdown
- From Version Manager, select ‘Install’ and select: MIZ-21C.Application.1.4.3.24.install
- Select ‘Install’ and after 15 seconds it will complete with the ‘Install succeeded’ message
- Select ‘Open MIZ-21C’ and the Applications menu will open (Note: if the black Zetec logo persists for more than 2 minutes, then reboot the instrument)

### **OPTION 2: To upgrade the MIZ-21C Gen1 non-sealed hardware to the new 1.4.3 version:**

- On a USB drive, create a folder “MIZ-21C” with subfolder “Updates”: \MIZ-21C\Updates\
- Copy the downloaded zip files (MIZ-21C.Application.1.4.3.24.install and MIZ-21C.System.1.4.3.24.install) into the “Updates” folder on the USB drive
- Insert the USB drive into the MIZ-21C and go to Tools > System Updates and click Update Software and Firmware
- If rolling back version, select ‘Uninstall’, and if installing new version, select ‘Install’
- Select from the list: MIZ-21C.System.1.4.3.24.install and click OK, then wait for shutdown (verify by noting that the fans are off)
- Press the Power Button to turn the instrument back on
- The ‘Gears’ phase will begin, then wait for shutdown (verify by noting that the fans are off)
- Press the Power Button to turn the instrument back on
- Wait for a few minutes, then one of two things will happen on restart:

1. The application will boot to the normal Applications menu, WAIT 5 seconds for the screen to change to the Version Manager

2. OR during the boot cycle the user will have a 5 second window to select between 'Launch' or 'Manage Versions', click Manage Versions to go to the Version Manager

- From Version Manager, select 'Install' and select: MIZ-21C.Application.1.4.3.24.install
- Select 'Install' and after 15 seconds it will complete with the 'Install succeeded' message
- Select 'Open MIZ-21C' and the Applications menu will open (Note: if the black Zetec logo persists for more than 2 minutes, then reboot the instrument)