

# ***MIZ-21C SOFTWARE 1.4.2 RELEASE NOTES***

## ***MIZ-21C Software 1.4.2 Product Bulletin***

Eddyfi Technologies released MIZ-21C Software 1.4.2. 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 1.4.2 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 1.4.2***

MIZ-21C Software 1.4.2 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 1.4.2 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 1.4.2:

- Simplified review displays  
Two simplified review displays have been added: one that contains only a sweep view and a strip chart, and one that replaces the C-scan view with a strip chart for bolt hole inspection.

## ***Resolved Issues***

The following are the bug fixes in MIZ-21C Software 1.4.2:



- **B0400**
  - Fixed an issue where MDO303X oscilloscopes were not recognized by the desktop application as required by ISO test standard.
- **B0402**
  - When using a low-frequency Surf-X probe with an encoder, transverse channel 01 is now nulled properly with the rest of the channels, without a residual offset.
- **B0403**
  - Prevents the software from crashing when an array scan length is specified to be longer than the data buffer setting in the technique.
- **B0405**
  - For bolt hole inspection, adjusting the scale in live calibration mode no longer incorrectly switches the display to the sweep display.
- **B0407**
  - Auto calibration now works as expected with rotating scanners. Previously, it could fail if the cursor was at the end of the data during calibration.
- **B0408**
  - Fixed an issue where the instrument could become unresponsive after nulling with a rotating scanner connected.

### *Downloading and Installing MIZ-21C Software 1.4.2*

For this or other MIZ-21C Software versions, please visit MIZ-21C Download at [www.zetec.com](http://www.zetec.com)

To upgrade the MIZ-21C software from 1.0.9 or earlier to the new 1.4.2 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 1.4.2 version:**

- On a USB drive create a folder "MIZ-21C" with subfolder "Updates": \MIZ-21C\Updates\
- Copy the downloaded zip files (MIZ-21C.Application.1.4.2.24.install and MIZ-21C.System.1.4.2.24.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.1.4.2.24.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.1.4.2.24.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 1.4.2 version:**

- On a USB drive, create a folder “MIZ-21C” with subfolder “Updates”: \MIZ-21C\Updates\
- Copy the downloaded zip files (MIZ-21C.Application.1.4.2.24.install and MIZ-21C.System.1.4.2.24.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.1.4.2.24.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.1.4.2.24.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)