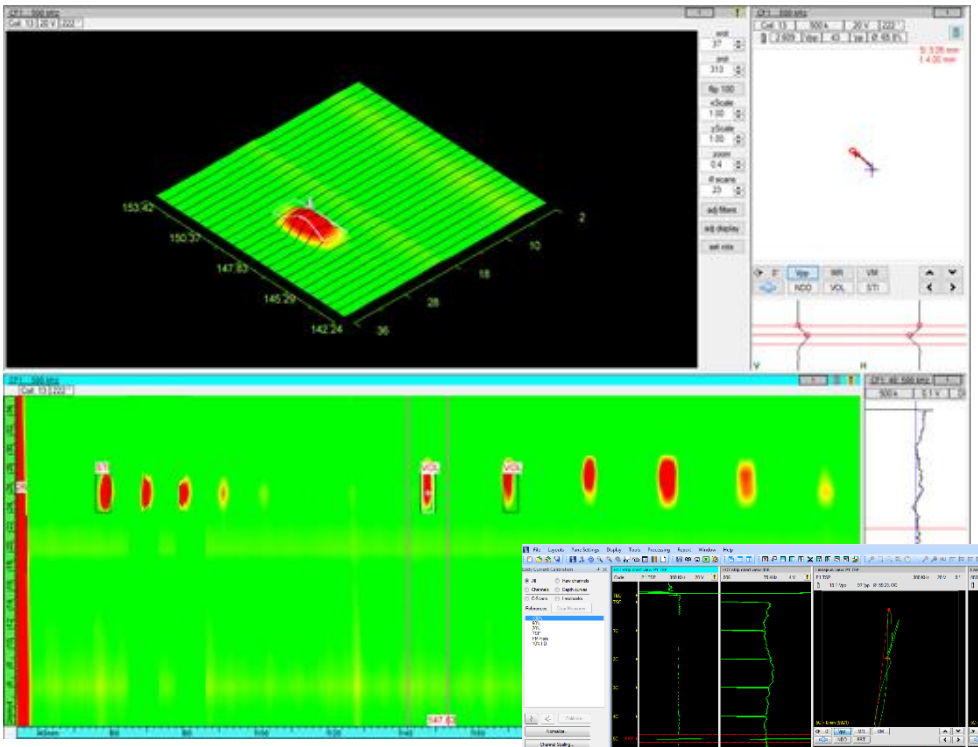
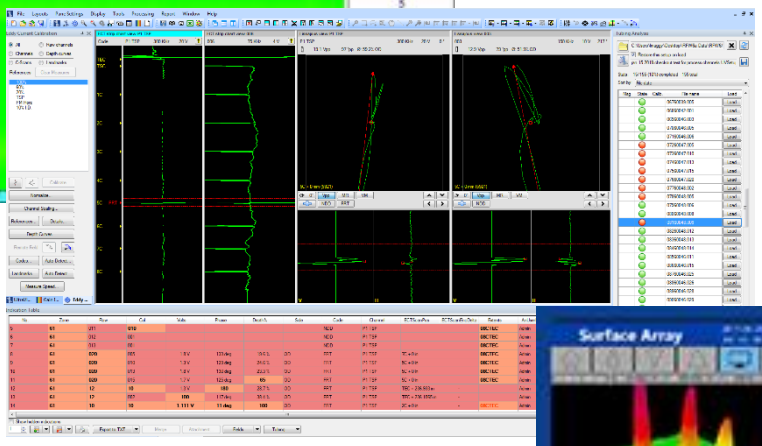
ULTRAVISION ET 3.12R1

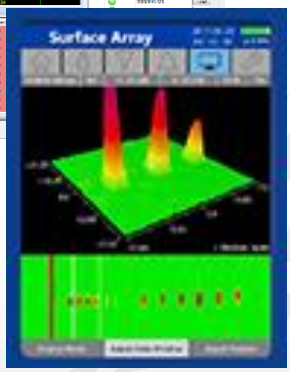
Product Bulletin



ET Array Surface Inspections



Conventional Tubing Inspections



MIZ-21C Data Readback

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UltraVision ET 3.12R1 Product Bulletin

Zetec has just released *UltraVision ET 3.12R1*. This software version can be used on a PC running Windows® 10 or Windows® 7. This product bulletin presents an overview of the new features and changes in this software version.

For downloading this or other UltraVision versions, please visit the UltraVision ET webpage at Zetec.com

Purpose of UltraVision ET 3.12R1

UltraVision ET 3.12R1 is the standard upgrade for users of previous versions of UltraVision ET software. This software release includes several new features and improvements.

Zetec's hardware and software development process are performed according to a quality system that is certified ISO 9001-2015.

With this certified software development process, Zetec guarantees that changes between earlier UltraVision ET releases and UltraVision ET 3.12R1 have no consequences on the sensitivity and the accuracy of the recorded data or results processed by the software.

New General Features

The 64 bits UltraVision ET PRO software install supports legacy data

The UltraVision ET software users, who need to support legacy data, can now readback them with a single software install, designed for 64 bits computer.

- The powerful 64 Bits software install allows users to remain on the edge of the technology
- By supporting legacy data from Zetec MIZ-27 and MIZ-28 data, ECVision, EddyView, Corestar and Multiview software data as well.

HASP Keys Driver

Windows 10 update #2004 may be causing a conflict with Sentinel driver used for HASP licenses dongles. This issue has been corrected Sentinel driver 8.10 or later. This issue may produce a blue screen.

The issue is present in the following builds of Windows 10, version 2004: 19041.388, 19041.331, 19041.329, 19041.264. The issue will not occur if you upgrade your Windows 10 to version 2004 after August 20, 2020 by using online update or by downloading the latest Windows 10 build.
Make sure that the build number of Windows 10, version 2004 is equal to or later than 19041.423 if you downloaded Windows 10 build earlier.

Up to date HASP drivers:
https://supportportal.gemalto.com/csm?sys_kb_id=61fb0ee1dbd2e78cfe0aff3dbf9619ab&id=kb_article_view&sysparm_rank=2&sysparm_tsqueryId=6f1c52d61bb0a450f12064606e4bcb9e&sysparm_article=KB0018320

Windows 10 bug description on version 2004:
https://supportportal.gemalto.com/csm?id=kb_article_view&sys_kb_id=39f264ea1b981854f12064606e4bcb2f&sysparm_article=KB0021742

New SURF-X Array Tape Probes Compatibility

UltraVision ET supports the newest SURF-X (64 & 128) array tape probes.

Combined with the MIZ-200 instrument and both SURF-X 64 & 128 tape probes, UltraVision ET simplify the surface array inspection, with the Zetec One-wire technology.

- Automatic loaded acquisition setup file, including
- Dedicated probes database of pre-configured probes
- Quick access to customize parameters to the specimen
- Dedicated calibration tools and reporting capabilities
- Compatible with 2D & 3D, Lissajous and strip chart views
- Use the maximum scan capacity with the 128 array channels

New MIZ-21C Features

Desktop analysis platform for MIZ-21C Basic collected data files

UltraVision ET supports reading both MIZ-21C pencil collected data files on the Basic UltraVision ET version.

- Using UltraVision ET for data analysis, allows the user to use a large screen for data display and making measurements. This includes all the measurement cursors and processed channels from a complex surface inspection
- Sizing? UltraVision ET can be used to size pencil probe data. For critical decisions, for critical analysis, UltraVision ET meets the needs of the user.
- Reporting with UltraVision ET enables the user to make complete, professional post inspection reports.

New Additional Features

Numerous of UltraVision ET applications generic features

- The Miz-21C can now, adjust the Horizontal and Vertical scales independently, as well as locking it to a 1:1 ratio.
- Added automatic processed channels when loading MIZ-21C data, vs only raw data.
- Simplified encoder and scanner setting configuration process
- The probe serial number is automatically recorded with the inspection summary

Bugs fixed

- B3215
  - Filters applied at acquisition with interpolation on may take a while to load.
- B4434
  - Mismatch between the two 2D C-Scan display and the encoders value.
- B5918
  - The Material database was not available in Specimen settings
- B6008
  - Avoid data files over-writing when acquiring an existing data file.
- B6065
  - After an acquisition that had black lines expressing missing data from going too fast, if the user were to load a file in Analysis, the black lines may remain on the screen.
- B6231
  - The recorded file list was not being displayed in time stamp order.
- B6232
  - Saving setup in Analysis defaults to the last Acquisition calibration group loaded.
- B6270
  - Fixed issues linked to the surface array inspection reporting indications
- B6909
  - Regardless of the MIZ-21C surface array data file dimensions, UltraVision ET optimized the 2D scan display with the appropriated zoom settings
- B6946
  - Added the ability to change units for the 3D C-Scan.
- B7277
  - Assisted calibration setting supports 128 probes configuration as defined
- B7933
  - 2D & 3D views display properly multiple acquired MIZ-21C surface array data files
- B8365
  - Lissajous signal rotation, in specific configuration, does not affect the signal amplitude measure anymore
- B8819
  - Refresh on the acquisition start button behaviour, when building a new acquisition setup file from the origin
- B9049
  - Improved “Next tube” button behaviour, in analysis mode to follow the pre-defined sorted data files list

Known Issues - Limitations and Remaining Anomalies

- B4237
  - Changing pre-defined layouts will cause the color palette to change. To limit the impact, first choose your layout and then prepare your color palette.
- B5797
  - C-Scan not refreshing after changing parameters in mechanical setting, to work around, Go in Eddy Current Settings/ Processed Channels, click on Apply Scaling checkbox. See now C-Scan appears.
- B5957
  - In RFT, confirm the sample rate after doing the full setup.
- B8575
  - When reading Velocity data, ensure the path includes standard characters.