

Veo3 Public Manifest

October 21, 2021

2021-10-22 Veo3 4.5.1

New Features

None

Fixed Issues

4557 Any valid TFM apertures beyond the 65th element now work.

4558 TFM MC-scan view is empty in live/record mode.

Known Issues

3700 Bottom Right Row probe element layout is fixed using the wedge angle wizard.

4467 The TFM could glitch at pause.

4547 The touchscreen may stop working when a VNC session has been closed.

2021-10-12 Veo3 4.5.0

New Features

2828 The user can import focal laws under the inspection tab.

3644 .law filename is displayed in the Inspection tab.

3650 Utstudio+, Veo+ and Veo3 supports .law (and .pte) CIVA files.

4242 Custom focal laws do not work with the "no wedge" setting.

4309 The custom focal law persists when you reload that utcfg.

4412 There is a unique color to each TFM scan. The TFM scan tab colour is the same as its TFM ROI box.

4426 For an ezDGS probe, you can now edit its refracted angle.

4436 Top and End views get new extraction resolution parameters. (Under view properties)

4448 The interface uses ROI (Region of Interest) terminology. ("ZOI" has been replaced by "ROI")

4450 New TFMi scan type: Keep Max operator.

4456 AUTO FSH function button is disabled with Product TFMi.

4459 6T and 7T propagation modes have been added. (also available in TFMi scans)

4461 New X6BW flat .utwedge files.

4464 Probe and Velocity wizard is disabled in TFMi scans.

4469 New D1B flat wedges.

- 4471 New StarTech WiFi dongle support.
- 4495 The Wedge Angle Wizard check has been moved to the Wedge tab.
- 4535 There are new X2B probes and wedges.
- 4183 Utstudio+, Veo+ and Veo3 supports .law ES BeamTool files.
- 4390 New TFMi scan type: Product operator.
- 4402 Faster ROI computing; Spinner included.

Fixed Issues

- 4284 New behaviour: All the WiFi previous settings are saved.
- 4314 Cartesian cursors in MC-scan view: Index and scan position readings fixed.
- 4364 The part overlay "W" shortcut is fixed.
- 4366 Focus goes to the menus once you loaded a probe or a wedge.
- 4387 For curved surfaces geometries, the location of the probe in the 3D view, may sometimes be out of boundaries.
- 4396 Curved surface inspection in conventional UT; The user must manually update the "Contact Surface" parameter.
- 4400 Unsaved IFT culling and circular ruler parameters are fixed.
- 4418 Issue with the propagation mode parameter while using the Autofit A-scan in the FMC scan
- 4429 Live TFM merged c-scan data is not displayed properly in play mode
- 4443 Conflict with SMC TFM and Max PRF is fixed.
- 4468 Probe and Wedge media browsing is faster with TFM scans.
- 4490 Extra image sensitivity levels: 32x and 64x. (exclusive to product TFMi)

Known Issues

- 3700 Bottom Right Row probe element layout is fixed using the wedge angle wizard.
- 4467 The TFM could glitch at pause.
- 4547 The touchscreen may stop working when a VNC session has been closed.
- 4557 Any valid TFM apertures beyond the 65th element do not work.
- 4558 TFM MC-scan view is empty in live/record mode but in analysis

2021-04-07 Veo3 4.4.0

New Features

- 3688 Update of the D1S probe dimensions
- 3725 New Hilbert envelope on live TFM scan
- 3771 Up to 6 live TFM modes simultaneously
- 3843 New Time Corrected Gain (TCG) for live TFM
- 3844 New velocity and zero wizard for live TFM Scan
- 3857 New sensitivity setting for live TFM scan
- 3867 New sparse matrix capture (Fast TFM) functionality
- 3876 New simultaneously multitechnique scan (Phased-array, TFM, TOFD)

- 3904** Up to 64 elements aperture in live TFM scan
- 3914** New amplitude fidelity wizard for TFM scan
- 3948** New TFM configuration templates
- 3950** New 5T TFM propagation mode
- 4069** New multitechnique layout
- 4115** New touchscreen and keypad
- 4308** New Xpair update
- 3796** Total Focusing method (TFM) is now available

Fixed Issues

- 3687** New probe in UTstudio+ have all elements activated by default
- 3694** TCG is not reset when the start path is moved beyond the first point
- 3717** TCG curve interpolation improvement when a TCG point is outside of the scan
- 4223** Pulse width value of the MSEB4 probe has been updated.
- 4259** In extreme configurations, the phased-array PRF could, because of an issue, be applied on the UT channel.

Known Issues

- 4418** Issue with the propagation mode parameter while using the Autofit A-scan in the FMC scan
- 4429** Live TFM merged c-scan data is not displayed properly in play mode