

Veo3 Public Manifest

October 11, 2021

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 ("ZOI" has been replaced by "ROI")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.

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4429 Live TFM merged c-scan data is not displayed properly in play mode