

# Veo+ Public Manifest

December 17, 2024

## 2024-12-03 Veo+ 4.5.7

### New Features

**4828** Russian language now available as standard and no longer requires an activation code.

**4855** New probe configuration files added for the Wheel Probe 2, 1MHz, 102 Elements model.

### Fixed Issues

**4870** Fix color palette display for data represented in depth value and collected using a non-rectified (RF) signal.

**4882** Fix the issue with measurements values from annotation boxes done on non-rectified (RF) signal.

## 2024-07-31 Veo+ 4.5.6

### New Features

None, follows other products' software version ID.

## 2023-10-14 Veo+ 4.5.5

### New Features

**4692** Fixes BeamTool linear spread focal law import.

**4730** GE SEB4-0-E DGS probe has been added.

**4774** Probe and wedge database updated. It fixes some dimensions.

**4789** New multiscan acquisition layouts. Some get small scrolling top views for coupling check purposes.

**4793** 128E WP2 utprobes and examples files have been added.

**4726** HV Calibration Improvement.

### Fixed Issues

**4587** TOFD Lateral Wave Straightening is fixed.

**4781** Fixes internal SSD partition issue.

## 2023-01-17 Veo+ 4.5.4

### New Features

**4680** Improve HV error management

### Fixed Issues

**4684** Fix missing translations

## **2022-11-26 Veo+ 4.5.3**

### **New Features**

**4619** Correct HV error message to reduce confusion

**4600** Improve HV error management

**4634** Change in UT Filters specification

## **2022-03-17 Veo+ 4.5.2**

### **New Features**

None

### **Fixed Issues**

**2762** Spurious noise fix for PA + long range setup.

**4567** It fixes data issues with IFT and C-scan views.

### **Known Issues**

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

**4467** The TFM could glitch at pause.

## **2021-10-22 Veo+ 4.5.1**

### **New Features**

None, follows other products' software version ID.

### **Known Issues**

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

**4467** The TFM could glitch at pause.

## **2021-10-12 Veo+ 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.

**3709** It is possible to load custom focal law in the new inspection wizard.

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

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

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

**4461** New X6BW flat .utwedge files.

**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.

### **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

**4443** Conflict with SMC TFM and Max PRF is fixed.

### **Known Issues**

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

**4467** The TFM could glitch at pause.

**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 Veo+ 4.4.0**

### **New Features**

**3688** Update of the D1S probe dimensions

**4308** New Xpair update

### **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

## **2020-09-01 Veo+ 4.3.0**

### **New Features**

**3723** New Probes and Wedges have been added to our data base

**3779** Increase the number of PA scans from 6 to 8 scans

**3809** New layouts are available

**3930** The welcome screen has been refurbished and is now offering the User's Template concept.

**4092** For conventional UT configuration the T-loss functionality is now available for DAC/TCG calibration

### **Fixed Issues**

**3787** Index offset is no longer a calibration breaker

## **2020-01-24 Veo+ 4.2.6**

### **New Features**

**3719** Additionnal layout on 3 linear scans set up.

**3759** Addition of a new layout A1 S1 A2 S2 C3 A3 L3 S4 A4 S5 A5 L6 C6 A6

## **2019-06-21 Veo+ 4.2.4**

### **New Features**

None

### **Fixed Issues**

**3706** Internal tools enhancement

## **2019-03-28 Veo+ 4.2.3**

### **New Features**

None, follows other products' software version ID.

## **2019-03-12 Veo+ 4.2.2**

### **New Features**

**3653** Low profile X0AW wedge dimensions update

### **Fixed Issues**

**3655** Crash correction in the sensitivity wizard (mono scan)

## **2018-11-22 Veo+ 4.2.1**

### **New Features**

**3182** Add WP2 New Encoder Configuration File (update Tick/s)

**3420** Correction of the Focal distance offset for DLA configuration

**3615** New Layout implementation (4 PA-2 TOFD)

**3641** Include now Starc and TStarc UT probe file in the internal database

**3642** New ezDGS Karl Deutsch Probes added in internal database

**3250** Update D1S Probes Models

**3254** Width dimensions up to date on D1A wedge series

## **2018-10-17 Veo+ 4.2.0**

### **New Features**

None, follows other products' software version ID.

## **2018-04-26 Veo+ 4.1.0**

### **New Features**

**2454** Linear Scan elements resolution can now be set by user

**2727** New FMC-TFM software option for VEO+

**3127** New option to synchronize gate with the previous one

**3135** Updated Translation for all languages

**3157** New option to hide gates ID information in the A-Scan view

**3162** Updated Help Files

**3185** Increase probe number limitations for multiscan configuration

**3188** New option to ask to save configuration file before going to record mode

**3193** Tabs and icons look & feel update

### **Fixed Issues**

**3125** Fix possibility to set thickness at less than 2mm for sectorial scan

## **2018-02-16 Veo+ 3.19.4**

### **New Features**

None, follows other products' software version ID.

## **2018-02-16 Veo+ 3.19.3**

### **New Features**

None, follows other products' software version ID.

## **2018-02-01 Veo+ 3.19.2**

### **New Features**

**116** Updated phased array probes and wedges database

## **Known Issues**

**585** Issues when zooming on views with keyboard

**708** Issues converting TCG to DAC with angulated wedge

**870** Part Overlay not in correct position when B-Scan orientation is change

## **2017-12-16 Veo+ 3.19.1**

### **New Features**

**061** Updated phased array probes and wedges database

### **Known Issues**

**585** Issues when zooming on views with keyboard

**708** Issues converting TCG to DAC with angulated wedge

**870** Part Overlay not in correct position when B-Scan orientation is change

## **2017-11-24 Veo+ 3.19.0**

### **New Features**

None

### **Fixed Issues**

**980** Fix potential issue in hardware boot sequence causing noise on UT channels

### **Known Issues**

**585** Issues when zooming on views with keyboard

**708** Issues converting TCG to DAC with angulated wedge

**870** Part Overlay not in correct position when B-Scan orientation is change

## **2017-09-27 Veo+ 3.18.12**

### **New Features**

**792** New PCS parameter is editable in play mode when using TOFD scan

**869** New Czech is now a supported language

**930** UT wedge & probe database update

**934** New X0 low profile probes and wedges series has been added to the database

### **Fixed Issues**

**448** Windows requests to scan USB after every use with instrument

**789** Fix Cartesian cursor not showing true depth measurement in certain views

**806** Fix media browser not moving files properly

## **Known Issues**

**585** Issues when zooming on views with keyboard

**708** Issues converting TCG to DAC with angulated wedge

**870** Part Overlay not in correct position when B-Scan orientation is change

## **2017-05-05 Veo+ 3.17.11**

### **New Features**

**378** Configuration Report according to ASME/API/AWS standards

**691** Optimized features for Pitch & Catch configuration with Phased Array

**701** New Reload TCG/DAC curve feature when breaking calibration

**751** New Option to hide documentation for training purposes

### **Fixed Issues**

**512** System asked to save file when pressing shutdown button

**740** Compatibility issues with files created in version 3.8.2 or earlier

**799** Fix SDH wedge delay wizard on sectorial scan

**801** Cursors info missing from expanded reports

## **Known Issues**

**585** Issues when zooming on views with keyboard

**708** Issues converting TCG to DAC with angulated wedge

## **2017-04-20 Veo+ 3.16.2**

### **New Features**

**738** New Automatic Reset of Scan Axis for Circular parts

**758** New Scrolling Merged C-scan in encoded view

### **Fixed Issues**

**744** Fix High Resolution problems on long scan axis

## **Known Issues**

**448** Windows requests to scan USB after every use with instrument

**585** Issues when zooming on views with keyboard

**708** Issues converting TCG to DAC with angulated wedge

## **2017-03-21 Veo+ 3.15.4**

### **New Features**

**735** Updated Translation for all languages

**434** New Scrolling C-scan in encoded view

**045** New Cloud Remote access solutions powered by LogMeIn Hamachi

## **Fixed Issues**

- 749 Add BIOS programming support for new veo+ COM modules
- 586 Fix overlapped tabs when using Japanese language
- 029 Cartesian cursor not showing true depth measurement
- 199 Data is not erased when using invert scan direction
- 489 DGS curve disappearing on load configuration
- 592 Crash on save view data to .csv
- 640 Crash on load .utdata file with Russian language activated

## **Known Issues**

- 448 Windows requests to scan USB after every use with instrument
- 585 Issues when zooming on views with keyboard
- 740 Compatibility issues with files created in version 3.8.2 or earlier

## **2017-01-26 Veo+ 3.14.3**

### **New Features**

- 2272 Prod Tools & Service Centers Improvements
- 568 Improved WiFi functionalities

### **Fixed Issues**

- 2294 TCG Calibration breaking when dB ref is changed
- 2604 System switches from russian to english at reboot
- 601 After Reboot, WiFi password is not recognized
- 616 Cannot rename folder after moving/copying file into it
- 1704 Rescue process to factory default cannot be completed properly
- 1883 Element activation wizard for a scan cancels calibration of other scans

## **2016-10-25 Veo+ 3.13.3**

### **New Features**

None

### **Fixed Issues**

- 2165 TOFD Gate measurements improvement

### **Known Issues**

- 32 File loaded from USB key cannot be saved after removing the key
- 40 Maximizing Merged C-scan view during acquisition clears the view
- 635 WiFi refresh button in configuration screen not working. - WA turn OFF/ON the antenna
- 363 Wheel touch doesn't work while in velocity wizard - WA use arrows
- 236 In some occasion a split DAC vertical lines is not drawn - WA re-implement the DAC
- 231 Redundant info in 3D view or wrong abbreviation used for focal distance



## **2016-09-16 Veo+ 3.12.7**

### **New Features**

- 1575** New automatic filenaming functionality
- 1697** New ezDGS functionalities: curve importation from GE probe (single & twin crystal probes)
- 1569** New PA natural focal mode (no-focusing)
- 1715** New default FTP user name = ftpuser
- 1716** New default VNC password = password
- 2005** New UI language update: Japanese + updates on other languages
- 1922** Preferred recording drive is SSD for fast record of large files
- 1952** Integrated wedge is now part of the wedge advanced parameters (yes/no)
- 2087** DAC to TCG is now available in SCAN menu (stop mode)

### **Fixed Issues**

- 263** Reset all in Time-based should reset all data
- 601** WiFi right password isn't recognize correctly after reboot
- 406** Cross Hair Cursor doesn't move in S-Scan when moving the Mouse Cursor
- 642** Change the default value for Elmt Diameter of a mono circular probe
- 779** Overlapped UI tabs in Hungarian, German, Japanese, Slovak
- 1838** Change weld on curved surface with constant path focus breaks calibs
- 2025** We not supposed change dB during recording
- 2079** TCG curve cannot be edited after modifying the gain
- 2081** Error when adding a second scan on curved surface

### **Known Issues**

- 32** File loaded from USB key cannot be saved after removing the key
- 40** Maximizing Merged C-scan view during acquisition clears the view
- 635** WiFi refresh button in configuration screen not working. - WA turn OFF/ON the antenna
- 363** Wheel touch doesn't work while in velocity wizard - WA use arrows
- 236** In some occasion a split DAC vertical lines is not drawn - WA re-implement the DAC
- 231** Redundant info in 3D view or wrong abbreviation used for focal distance

## **2016-06-22 Veo+ 3.11.6**

### **New Features**

- 178** New software option for PA-CSC
- 440** New example files for PA-CSC
- 1671** New UTDATA, UTCFG, PDF, IMAGE icons
- 1543** Auto TCG sweep with skips

- 701 Add WiFi IP adress in About Windows
- 1799 New layout implementation
- 579 Now default weld angle value is 30° (used to be 45°)
- 1416 Wedge PA angle auto-calibration wizard
- 1448 Review of calibration breakers relations
- 57 If USB unplug it now deletes recent files link
- 1627 Change Radius for Diameter
- 1684 Add IFT culling option in the beginning of TCG/DAC Wizard
- 1738 Replace "New Inspection Wizard" by "Create New Configuration"

## Fixed Issues

- 638 Code doesn't accept mono refracted at angle 90°
- 1798 Cross Hair cursor doesn't show the measurement at its intersection in many views
- 322 F3 reset shortcut doesn't work when 2D quadrature encoded and Timed Base
- 609 Screen brightness parameter missing for Veo's
- 629 DGS Wizard Ends too fast
- 1615 Welcome screen - battery indicators are cut off
- 1439 AQR indicator mis-behavior with 2 TOFD scans
- 1630 Going back in wizard replaces value to default

## Known Issues

- 32 File loaded from USB key cannot be saved after removing the key.
- 40 Maximizing Merged C-scan view clears the view.
- 565 3D views improvement for P&C functionalities.
- 635 WiFi refresh button in configuration screen not working. - WA turn OFF/ON the antenna.
- 601 WiFi right password isn't recognize correctly after reboot - WA re-enter password.
- 363 Wheel touch doesn't work while in velocity wizard - WA use arrows
- 280 Measures in Part References don't consider Encoding Area offset+rotation
- 263 Reset all in Time-based should reset all data - WA make a manual reset
- 236 Sometimes split DAC vertical lines are not drawn
- 231 Redundant info in 3D view or wrong abbreviation used for focal distance
- 406 Cross Hair Cursor doesn't move in S-Scan when moving the Mouse Cursor

## 2016-05-02 Veo+ 3.10.11

### New Features

None

### Fixed Issues

- 90 Error in FL calculation - Beam exit point outside wedge

## **2016-04-21 Veo+ Release 3.10.10**

### **New Features**

**1476** Update for multiple OS security fixes.

**1584** New layout for 5 Scan that includes a B-Scan.

### **Fixed Issues**

**1397** Mono DAC interface.

**1490** UT function noise.

## **2016-03-15 Veo+ 3.10.8**

*First public release.*

### **Known Issues**

**32** File loaded from USB key cannot be saved after removing the key.

**40** Maximizing Merged C-scan view clears the view.

**565** 3D views improvement for P&C functionalities.

**609** Screen brightness parameter missing.

**635** WiFi refresh button in configuration screen not working. - WA turn OFF/ON the antenna.

**601** WiFi right password isn't recognize correctly after reboot - WA re-enter password.

**592** Auto FSH in DGS wizard not accurate - WA make manual adjustment.

**363** Wheel touch doesn't work while in velocity wizard - WA use arrows.

**322** F3 reset shortcut doesn't work when 2D quadrature encoded - WA manual reset.

**280** Measures in Part References don't consider Encoding Area offset+rotation.

**263** Reset all in Time-based should reset all data - WA manual reset.

**236** Sometimes split DAC vertical lines are not drawn.

**231** Redundant info in 3D view or wrong abbreviation used for focal distance.

**1439** AQR indicator unexpected behavior when having 2 TOFD scans.

**1541** Part Thickness and geometry index offset breaks calibration