

# Veo+ Public Manifest

July 30, 2024

## **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 filenames 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 unsuspected behavior when having 2 TOFD scans.
- 1541** Part Thickness and geometry index offset breaks calibration