

PipeWIZARD Release Notes

PipeWIZARD 4.4R3

2017-08-04

Compatible with Windows 7 -SP1 (64-bit), Windows 8.1 (64-bit) and Windows 10 (64-bit)

- 34751 Amplitude reading of UT groups – Fixed issue in cal box table when scan resolution is less than 1mm

PipeWIZARD 4.4R2

2016-11-29

Compatible with Windows 7 -SP1 (64-bit), Windows 8.1 (64-bit) and Windows 10 (64-bit)

- **New:** Possibility to add a flat area to HP zone on bevel configuration
- **New:** Possibility to add an horizontal dash line on bevel drawing representing a clad interface
- **New:** Coupling readings available in main interface
- **New:** WT (wall thickness) group type now available in SetupCreator
- **New:** Software can now be used with Windows 8 and Windows 10 in addition to Windows 7
- 33598 Offline version of SetupCreator is now available. Import/export of .sce file is fixed
- 33408 Global Report – Fixed issue with data file date
- 33663 Cal boxes – Fixed issue with cal boxes when a group is added in SetupCreator
- 33707 Cal boxes – Fixed issue with cal boxes when a group is modified in SetupCreator
- 33766 Help menu is now functional
- 33496 Report configuration – Fixed issue when loading setup file with different report configuration
- 33874 Cal boxes – Fixed issue with calibration table size
- 33876 Cal boxes – Fixed issue with cal boxes when a strip is added to layout created automatically
- 33938 Sectorial group – Fixed calculation issue when range is changed on sectorial group
- 33974 Cal boxes – Fixed issue with cal boxes when using layout #2 and #3
- 33986 Stability – Fixed issues to increase significantly the overall stability of the software
- 34053 Linear group – Fixed issue with wedge delay calculation when elt start or elt stop of a linear group is modified
- 34094 Calibration Report – Fixed issue with layout #2 and #3 in calibration report
- 31167 Scan sequence parameters – Fixed issue when loading a data file having different scan sequence parameters
- 34106 DLA wedges – Fixed issue with custom wedges for DLA probes that didn't appear in the wedge list

PipeWIZARD 4.4R1

2016-08-18

Compatible only with Windows 7 (64bits) and Windows 8 (analysis and viewer modes only).

- **New:** Calibration auto-verdict (cal box) and calibration table report are now available
- **New:** Customizable sizing table is now available (in Expert mode)
- 33476 Encoder resolution – Fixed issue with encoder resolution parameter when loading a setup file
- 33333 Asymmetric gates – Fixed display issue with “live” stripchart during inspection for groups with asymmetric gates

Note: The offline version of SetupCreator is not available in 4.4R1 version for maintenance reasons. It will be available in a future version.

PipeWIZARD 4.3R6

2016-04-18

Compatible only with Windows 7 (64bits) and Windows 8 (analysis and viewer modes only).

- 31720 Adv. Calculator – Fixed issue that freezes A-scan signal when changing some parameters in Adv. Cal.
- 32729 Scanning Sensitivity – Fixed issue with scanning sensitivity readings in analysis mode
- 30551 Scanning Sensitivity settings are now saved in Setup file
- 32570 Voltage – Fixed issue giving inconsistency between groups
- 31991 Fixed issue with automatic layout generation when groups are added manually in SetupCreator
- 32689 Fixed issue with automatic layout generation after import from offline version of SetupCreator (missing strips)
- 32691 Fixed issue with automatic layout generation after import from offline version of SetupCreator (all strips were identical)
- 29328 Layouts – Fixed issue in the Group list in pane properties (duplicate names)
- 31926 Bevel Definition – Fixed issue leading to random crash when changing bevel type (J to CRC, or CRC to J).
- 32635 Optimize software performance – delay when changing mode (inspection to analysis, analysis to setup, etc)
- 29384 Optimize software performance – Reduce display flicks when changing mode (calibration, inspection, setup)
- 32918 Suggested saving folder for pdf data reports is now the same as data folder
- 33098 [Range] Fixed issue with Full Range option that stayed active after a calibration.
- 33106 Transverse and Coupling groups are not reprogrammed anymore after the next "Apply" in SetupCreator if Start and/or Range parameters have been modified.

Note: The offline version of SetupCreator is not available in 4.3R6 version for maintenance reasons. It will be available again in a future version.

PipeWIZARD 4.3R5

2016-02-03

Compatible only with Windows 7 (64bits) and Windows 8 (analysis and viewer modes only).

- **New:** A27-DLA probe and associated wedges are now available directly from SetupCreator/Probes drop-down menus.
- **New:** [Reports] 2 new editable fields added (total of 9) to the report header in report configuration window.
- 31510 [SetupCreator] Fixed issue occurring when changing type of a group automatically generated.
- 31369 [SetupCreator] Fixed issue with gates position and AdjustFocus button occurring when changing Tx/Rx for a group.
- 31628 [SetupCreator] Fixed issue with added group when using "beam" button.
- 32747 [Reporting] Fixed issue with data file integrity when moved to another location.
- 32847 [Reporting] Fixed issue (blank strip appearing in strip-chart view) with data pdf reports.
- 32848 [Reporting] Fixed issue with report configuration being lost after inspection run.
- 32849 [Reporting] Fixed issue with data report preview (error message).
- 32865 [Auto Backup] Fixed issue with auto backup activation when loading a data file.

PipeWIZARD 4.3R4

2015-11-16

- 32829 [Reporting] Fixed a runtime error occurring when opening data report while one of the analysis layouts has empty view (no data).

PipeWIZARD 4.3R3

2015-11-02

- 32708 [Stability] Software doesn't crash anymore after 20 scans

PipeWIZARD 4.3R2

2015-03-17

- **New:** New reporting tools (Setup Report, Data Report, Global Report)

- 28462 [Stability] Going back quickly to setup after inspection does not cause crash anymore
- 29116 [Data file][Crash] In Analysis Mode, loading a .rdt file does not cause PWZ to crash anymore
- 29800 [File] Increase protection on "pws" and "pwzd" files
- 29918 [Layout] In ViewProperties for VolumetricMerge, "Link to Reference Cursor" in "DataSource" tab is now saved
- 30038 [SetupCreator][Probe] Deleting unused probe resets all beams + Reset button do not cause errors anymore
- 30039 [AutomaticLayout] New Automatic Layout for Analysis 2
- 30040 [DefectReading] Set "Cumulative Threshold" to 20% by default instead of 3%
- 30169 Menu help does not work
- 30172 [Layout] Old Data files and Setup files have now "Show Defect" checked in view properties – It is now possible to uncheck "Show defect".
- 30389 [Stability] Performing a second inspection quickly after another does not cause PWZ to crash anymore
- 30434 [SetupCreator] Issue of importing data from a Linear group in SetupCreator is now fixed
- 30467 [Analysis] Issue with saving modifications made in a Data file in Analysis mode is now fixed
- 30468 [Analysis] Issue with defect table when trying to re-open a closed Data file in the same PWZ session is now fixed
- 30472 [Application] Issue with Angle Resolution value reset to 1.0 after reloading a previously saved setup is now fixed
- 30488 [SetupCreator] Re-adding probe just deleted is now working properly.
- 30492 [UT Settings] After duplicating a group, UT Settings is no more resetting the groups below in the list.
- 30499 [File] Attribute files are now saved
- 30900 [SetupCreator] The Gates Auto-setup function does now work properly
- 30950 Data file (*.pwzd) opened in setup mode can now be closed without any issue.
- 31020 [Reports] It is now possible to produce a report from a PWZ4.0 data file.
- 31022 [Display] No more display flicking after a Preview or a Print command
- 31049 [Installation] Improved overall stability of PWZ software after numerous acquisition scans.
- 31100 [SetupCreator] Issue with incorrect Elt Adj. of Rx beams in Variable Wall Thickness mode is now fixed
- 31127 [Display] Boxes related to added defects in a previous acquisition do not appear anymore in next acquisition
- 31152 Remove wrong warning message after closing application in analysis mode
- 31153 Issue with Load original data from setup mode is now fixed
- 31164 [Advanced Calculator] Issue with opening Advanced Calculator in post-inspection is now fixed
- 31166 [Parameters] Default gain changed to 35 dB instead of 25 dB
- 31175 [SetupCreator] Setup imported from standalone SetupCreator now works properly
- 31176 Issue with Load last calibration and load last inspection when returning to setup is now fixed
- 31198 Remove software version and thickness value from 2D-view image in Viewer mode.

PipeWIZARD 4.2R5

2014-08-08

- 29773 [SetupCreator] Pitch & Catch Group. Change on Rx velocity is now correctly managed by SetupCreator.
- 29775 [Probe Definition] Wedges list has been updated.
- 29790 [SetupCreator] No more probe_override appearing.
- 29791 [PWZ] Rescan button works correctly now.
- 29814 [Probe Definition] Change on Skew is now possible after a modification on Index offset via UT Settings.

PipeWIZARD 4.2R4

2014-07-22

- 28307 [Probe Definition] Any change on parameters, in Probe definition, only now regenerate the Beams and Gates and not the Targets.
- 29731 PWZ4.2R4 is now able to open under Window XP.

PipeWIZARD 4.2R3

2014-06-19

- 28268 [Bevel Definition] Height of 0mm is now accepted for bevel sections HP, LCP and ROOT.

- 28269 [View Properties] Multiple Strip Charts deletion is now functional.
- 28273 [Analysis Layouts] TOFD calibration stays active when toggling between Layouts.
- 28276 [Pop up Message] "Do not show again" option is now available in "Save to Archive" pop up window.
- 28292 [Viewer] TOFD calibration is now available in Viewer mode.
- 28293 [Supervisor mode] Activation Password is now linked to the computer instead of software session.
- 28397 [Viewer] Improper pop up message when closing a Viewer session has been removed.
- 28463 [Weld Overlay] Weld Overlay is no more by default in TOFD Side B view.
- 28508 [Saved File] Volumetric Merge and TOFD calibration are now saved automatically with the Data file.
- 28510 [Readings] Gate B-A Reading is now functional.
- 28569 [Report] Printing a report from an "Original Data" file is now functional.
- 28600 [Group Calibration] Beam Skew is no more affected after a single Group calibration.
- 28601 [Calibration] Velocity and Delay calibration is now functional.
- 28616 [SC] 0° Linear Group is now properly generated.
- 28620 [Readings] "Acq Date" reading is now available in a Strip Charts View.
- 28644 [SC] VWT Group tags (HIGH, MED, LOW) are now correctly imported.
- 28645 [Automatic Layouts] Correction of default Color Palette.
- 28685 [Layouts] Color for signal above 100% is now functional in Color Palette.
- 28291 [Windows 8] PWZ software is now also running under Windows 9 (analysis and viewer modes only).
- 28294 [Software session] Only one Inspection session could be opened at the time. Multiple Analysis sessions are allowed (even during inspection).
- 28306 [Probe Definition] Probe(*) functionality has been disabled.
- 28822 [Report] UTC time and Date have been removed from report.
- 28910 [Scanner Control] Motor control interface behavior has been reviewed and is fully functional.
- 29025 [Layouts] Default boxes in Strip Charts in Strip Charts view are now appearing on every single Layout.
- 29098 [Supervisor Mode] Activation password modification is no more requested after a "signed out" from the supervisor mode.
- 29103 [Probe Definition] Changing probe name is now fully functional.
- 29116 [Data file] Loading a .rdt file is now working correctly.
- 28183 [Bootp] Updated with the latest Mac adress Ranges (new Bootp version 6.4R3).
- 29383 [Rescan] Rescan button is now fully functional.

New features and improvements

- Software now runs under Microsoft OS Windows 7 and Windows XP
- New data file format *.pwzd now includes the setup file
- Data from 270° skew probe are now displayed on the left side of the strip-charts view (as per convention).
- VWT (Variable Wall Thickness) option is now available
- Possibility to have Inspection and Analysis sessions opened simultaneously
- SetupCreator allows re-generation of Beams and Gates without affecting Target positions
- Software can now use Access 2013 (or Runtime) and Access 2010 (or Runtime)
- SetupCreator: probes/wedges database (Probe parameters) have been updated
- Software menus have been simplified
- Sectorial and Linear scans feature issues are fixed
- SetupCreator: the "star" feature (when a group is modified outside SetupCreator) has been removed
- Auto-calibration tool (G button) has now the first selected group displayed in the dialog box.
- Defect ID number (in the Defect table) is now linked and sorted accordingly to the circumferential position (x axis) of the defect. - Defect ID numbers are reset if a defect is deleted from the table.
- Shortcuts F4 (Save Display Preference) and SHIFT+F4 (Apply Display Preference) are now available.

- SetupCreator: negative probe index offset (Probe parameters) is now accepted, allowing the wedge to sit on the weld.
- SetupCreator: changing the beam aperture (number of elements) keeps the beam centered to its initial position.
- Mouse focus on Group selection box now works correctly (no more unintentional modification on Gain as previously)
- Gates are no more reset after modification done on another group in SetupCreator
- No more issue with root angle of 90° (in Bevel Definition).
- “Apply to all zones” option is no more checked by default in Define Colors settings for the Strip-Charts.
- SetupCreator: “Adjust Focus” no more active for conventional groups.
- SetupCreator: no more re-generation when probe Scan Axis Offset is modified.
- SetupCreator: Hzone modification will no more generate a new set up.
- Analysis default Layout is corrected to Analysis 1 rather than Inspection.
- Automatic Volumetric Merge by Group issue has been fixed
- Modifying a group in the Advanced Calculator, does not create several groups in SetupCreator anymore