

## BuildIT 2016 SP1 Releases Notes

### Installation Notes

In order to install all the associated drivers properly, right-click on the setup file and select “Run as administrator”.

This installation does not overwrite installations of previous versions. You may continue to use any previous version alongside this one.

Contact us if you have any questions regarding versions and licensing.

### System requirements

	Minimum	Recommended
Processor	Intel Pentium 4 or equivalent	Intel Core i7 or equivalent
Operating system	Windows 7	Windows 7, 64-bit
Memory (RAM)	512MB	16GB
Disk space	1GB free for program files	250GB or more
Graphics card *	512MB OpenGL 2.0 (released in 2005)	nVIDIAQuadro (preferred) or AMD FirePro

We recommend updating the video driver to the most recent released version from the manufacturer website.

### Windows XP and Vista

**This release of BuildIT does not support Windows XP or Windows Vista** as an operating platform. This is in line with Microsoft's decision to discontinue support for the platform starting April 2014.

You may use BuildIT 2014 SP3 on XP and BuildIT 2014.5 SP4 on Vista for as long as you like and support will be provided, as per your support contract and compatible service packs (SP) may be released to address specific issues, but there will be no version upgrades to support this platform.

## Enhancements and Problem Fixes

### 2016 SP1

#### Enhancements

- BITS-2461 Modified the model import where GD&T Features will not be imported if their associated geometries are not imported
- BITS-2919 Improved the object picking in Wireframe mode
- BITS-2856 Modified the Point Inspection Annotation command to reference the associated Actual Point if no Nominal is found
- BITS-2944 Added Show Details option for elements of pattern features in the new entity-based reporting scheme

#### Problem Fixes

- BITS-2813 Fixed a crash when deleting an annotations group in the report panel
- BITS-2864 Fixed a crash that would occur in some cases when opening a file containing an analysis
- BITS-2915 Fixed a crash that would occur in rare cases when opening a file containing Actual geometries associated to a DRF
- BITS-2928 Fixed a crash when using Curve Deviation Analysis with specific parameters
- BITS-2834 Fixed a crash when opening a new file after rectangle-selecting with the Construct Freeform Curve Fit command
- BITS-2890 Fixed an issue where in certain circumstances measurements could not be taken after Quick Relocate
- BITS-2876 Fixed a display issue of color scale for analysis commands
- BITS-2886 Fixed an issue where a wrong value could be reported when evaluating the distance between a point and a mesh
- BITS-2689 Fixed an issue in the 3D view's contextual menu where some options that should be disabled were not greyed-out
- BITS-2726 Fixed an issue where some contextual menu items were mistakenly shown
- BITS-2883 Fixed an issue where the Leica 930-960's displayed Measurement Profiles did not match actual settings
- BITS-2879 Fixed an issue where the maximum deviation value for Curve Deviation Analysis was not shown in the Message Bar
- BITS-2792 Fixed an issue in the entity-based reporting where adding a feature to the report did not add its tolerances
- BITS-2775 Fixed an issue for demo licenses running on VPN
- BITS-2845 Fixed an issue in Point Inspection Annotation where the name was not recorded in the process
- BITS-2870 Fixed an issue in Datum-Based Alignment where the preview did not display measurements correctly when one or more datum was pre-fitted
- BITS-2782 Fixed an issue where rectangle select did not select curves that were too small or too far away
- BITS-2842 Fixed an issue where Datum-Based alignment results were flipped
- BITS-2800 Fixed an issue where the Load Recent Process in Editor did not open the most recent version of the saved process
- BITS-2768 Fixed an issue where Save Current View option was not available when right-clicking on an empty View section
- BITS-2807 Fixed an issue where the persistence of the noise value of the mouse probe was lost
- BITS-2831 Fixed an issue where the shortcut Shift + Alt to move distance annotations was partly broken
- BITS-2902 Fixed an issue where alignments were not applied correctly if DRF contains a point, sphere or circle, and a datum modifier
- BITS-2793 Fixed an issue where the entity-based reporting properties were not initialized when opening a new file
- BITS-2875 Fixed an issue where Distance Between Geometry annotations were not being anchored correctly after opening a

file saved in a previous version

- BITS-2972 Fixed an issue where the coordinate panels were missing in CS - Rotate and CS - Translate commands
- BITS-2859 Fixed a minor issue about right-click for polygon selection in Extract Surface from Cloud command
- BITS-2938 Fixed some minor issues about Distance Between Points Report during process playback

## 2016

### Enhancements

- BITS-1506 Added support for translation/rotation limits for composite positional tolerances
- BITS-2494 Added a histogram to analysis legends
- BITS-2441 Added an option to have the Actual geometry created when evaluating GD&T tolerances
- BITS-2181 Added Views and their related management to the object manager
- BITS-2111 Added the ability to export/import settings and persistence (user profiles)
- BITS-1821 Added mesh compatibility to Annotations, Inspect Geometry and Best-fit alignment
- BITS-1138 Added support for 3D sections in views
- BITS-1133 Added support for the circular run-out and total run-out tolerances
- BITS-181 Added a perspective projection visualization method
- BITS-133 Added settings to configure the view manipulation using the mouse
- BITS-9 Added a new entity-based reporting scheme to BuildIT
- BITS-1766 Added support for expression evaluation as command parameters in automated processes
- BITS-932 Added real-time deviations to the Inspect Targets command
- BITS-354 Added a new Simulated Device using the Mouse
- BITS-306 Added support for the circularity tolerance
- BITS-2523 Modified the vector panel for all commands to save the X, Y, Z vectors following the active CS rather than converted to the World Axes
- BITS-2298 Added settings to customize the default annotation titles
- BITS-2105 Renamed Design/Constructed geometry classes to Nominal/Actual
- BITS-1765 Added the ability to break out of a looping operation on error
- BITS-1665 Extended Search to allow filtering on various criteria in addition to name
- BITS-1637 Simplified measurement process for Hidden Points (removed Accept for near and far points)
- BITS-1431 Added the ability to manually enter the actual value for diameter tolerance
- BITS-1206 Improved the Show/NoShow states of imported models, better using the group rather than individual visibility
- BITS-2641 Improved the algorithm for local diameter evaluations when "Check local section only" is selected
- BITS-2570 Modified GD&T evaluation to allow Surface Profile evaluation on partially-measured planes
- BITS-2490 Modified the Quick Connect/Relocate command to prevent connecting if the SHIFT key is pressed
- BITS-2473 Modified the Construct Fit commands to use the probe offset of the last selected points by default
- BITS-2438 Modified the Merge Cloud command to hide the original clouds after merging
- BITS-2070 Added the ability to aim on a point of a curve or surface

- BITS-2026 Added automation to the File: Export model command
- BITS-1693 Added a shortcut for Select All (CTRL + A)
- BITS-1682 Added the ability to delete a point in the Auto-alignment panel
- BITS-1602 Added the ability to reorder variables in Process Editor
- BITS-1550 Added support for ValueList, Color and Boolean variable types in processes
- BITS-564 Added automation for setting the number of stationary samples
- BITS-346 Added BuildIT file details in Windows Explorer
- BITS-623 Improved Inspect 2D Hole compatibility with GD&T circles
- BITS-302 Added support for pattern features and composite tolerances in DML import/export
- BITS-264 Added support for process icons in the Automate menu
- BITS-2609 Added double-click support to set Analyses, CS, Devices and Alignments active

## Problem Fixes

- BITS-2360 Fixed a crash when recording a circle on measured plane in a process
- BITS-2271 Fixed a crash when editing annotations and using middle-click to accept
- BITS-2247 Fixed a crash in process playback when referencing an uninitialized variable
- BITS-2629 Fixed an issue with pattern features of lines where the vector was not normalized
- BITS-2584 Fixed an issue where the point names in analysis reports would be incorrect after saving and opening a file
- BITS-2574 Fixed an issue with incorrect distance tolerance annotations extension lines when using "Distance along vector"
- BITS-2408 Fixed an issue with Circle deviation analyses where the active alignment was incorrectly applied
- BITS-2373 Fixed an issue in Inspect Geometry where pressing ESC would clear the deviation values
- BITS-2359 Fixed an issue where the wrong index was displayed when a pattern feature tolerance failed
- BITS-2284 Fixed an issue in the spreadsheet where the Temperature and Pressure units did not listen to the settings
- BITS-2160 Fixed the offset points saved in the Record Circle comment so they have the proper probe offset defined
- BITS-2502 Fixed an issue with a missing warning of lost measurements when using keyboard shortcuts
- BITS-2215 Fixed an issue where the distance between a partially-measured cylinder and a line could not be evaluated
- BITS-990 Fixed an issue where the extension lines of some imported distance tolerances were not in-plane
- BITS-2621 Fixed an issue where the DRO output was not correctly updated in relative mode when changing units
- BITS-2550 Fixed an issue when extending a cone where the normal was always set outwards
- BITS-2161 Fixed an issue with pattern features of circles where the orientation (Hole vs Pin) was incorrectly saved