BuildIT 2018.5 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 Core2 or equivalent	Intel Core i7 or equivalent
Operating system	Windows 7, 64-bit	Windows 10, 64-bit
Memory (RAM)	2GB	16GB
Disk space	3GB free for program files	250GB or more
Graphics card *	512MB OpenGL 2.1 (released in 2006)	nVIDIA Quadro (preferred) AMD FirePro

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

2018.5

Enhancements

BITS-6041	Add the ability to export/import settings and persistence from main application
BITS-5884	Add SCENE registration on FLS import
BITS-5664	Implement Drift Check for projectors
BITS-6140	Add a Tank Volume Analysis command
BITS-5887	Absence/Presence verification using Reference Image
BITS-6176	Absence/Presence verification using Points
BITS-5329	Send projections to array (Add Clipping capabilities)
BITS-5966	Allow grouping of devices and using them in alignments
BITS-5922	Export Point Cloud in E57
BITS-5361	Introduce a new walk-through view manipulation mode
BITS-4867	Add support for a clipping plane in Record Cloud
BITS-5751	Add a Projection: Image Scan command
BITS-5925	Add "Slow Motion" checkbox to Projector broker
BITS-5194	Display a mark in window caption when process has unsaved changes
BITS-5427	Create one group per solid even when importing with "Group per layer" option
BITS-5683	Add a process parameter to control the verbosity of the message bar during execution
BITS-6003	Add a user folder for entity-based report templates
BITS-3933	Add support for a manual measurements mode for Inspect Targets
BITS-6480	Add support for picking individual points in cloud in automation UI
BITS-5899	Add AS9102 report template using User Form XLSX
BITS-6183	Add support for generating topographical curves on a vertical plane (wall)
BITS-5236	Add support for importing point clouds from multiple files at once
BITS-4874	Add support for points in cloud for Distance and Coordinate annotations
BITS-5860	Cope with large coordinates for CAD files
BITS-6009	Improve Distance Annotations for Cloud-to-Cloud deviations
BITS-6395	Simplify debris removal parameters for Cut and Fill Volume Analysis and Topographical Curves
BITS-6356	The cloud normal should be used to define the normal direction in Construct Plane Fit
BITS-4994	Add support for customizing the surface deviation analyses' color scale
BITS-5473	Attach analysis warnings to Tolerances
BITS-5727	Preview device location in Manual Alignment
BITS-5381	Add a new Edit: Surfaces: Harmonize command

BITS-5444   Improve Tracer and VectorRI broker UI

BITS-5319   Optimize contours to eliminate flicker

BITS-6116   Move each group rigidly in Cloud Registration if the selection spans multiple groups

BITS-5502   Improve inter-activeness of the view manipulation for very large clouds

BITS-3351   Add support for evaluating flatness by area

BITS-5322   Display the effective tessellation tolerance instead of leaving it blank

BITS-6130   Highlight selected groups

BITS-5831   Add reporting capability to the Volume Computation analysis

BITS-6204   Add support for barcodes in reports (text annotations and footers)

BITS-6052   Add ability to import composite surface profile tolerances as two separate tolerances

BITS-6062   Add support for multiple distinct clusters in Cloud Registration

BITS-3652   Move cloud level-of-detail computation to separate thread for improved responsiveness

BITS-4115   Add 2D freeform curve support to edge extraction

BITS-5826   Improve edge extraction by using detected noise as plane threshold

BITS-5667   Add more point projection types (crosshair styles)

BITS-4914   Improve adaptive sampling cloud reduction method

BITS-5661   Simplify the Import Points: FLS dialog

BITS-5760   Distance variable default value does not listen to user units.

BITS-4326   Allow splitting clouds using multiple planes at once

BITS-4846   Deactivate virtual axes when not aligned

Problem Fixes

BITS-6408   BuildIT will sometimes crash after exporting the settings to a file

BITS-5998   Point takes priority over surface in inspect geometry

BITS-6050   Auto-Associate does not preserve the cloud's normal correctly

BITS-6589   Single points recorded using "Compensate for probe offset"/"Probe compensation" do not get compensated

BITS-5957   Datum letters before than first used letter are not shown in dropdown

BITS-5717   User interface does not scale well on high-resolution monitors (>200% scaling)

BITS-4420   Views imported from Catia should show only features defined on them

BITS-6358   Variable substitution isn't done for conditional operations of "Ask" type

BITS-6587   Rounding issue with broker Watch values

BITS-6168   Record hidden point not displaying "Far Point" in active CS

BITS-6634   No projection after an alignment with high RMS

BITS-5165   Hotswap on QuantumS arm does not update probe information unless Probe Compensation is open/closed

BITS-6491   Surface Deviation Analysis using mesh always fails

BITS-5607   Record Level Plane angle feedback should be relative to Device CS

BITS-5519   Process continues on error after user inputs to stop

BITS-6081   Cannot run a command with a network filename parameter

BITS-5967   Cap the number of points sent to the video card

BITS-6182   Items added to the report by a process are not added correctly

BITS-5778   Analysis Region Annotation: Nonsensical results

BITS-5150   ASSERT and crash in Record Shapes with very large geometry

BITS-5017   Crash in Extract Surface when picking whole cloud from Manager

BITS-5765   Sample large clouds before evaluating Circularity

BITS-5662   Variables of Color type are incorrectly stored in processes