版本信息（发行说明）

Current Version

Receives continuous updates and new features. Update interval frequently.

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2024.1.166					
Release date:	2024-03-12					

New:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	Import 3D: 　o SolidWorks 2024	●	●	●	●	●
	Alternative JT import: support of views and tessellated PMIs #1207	●	●	●	●	●
	Add field to ribbon to search online help center	●	●			
	Line width setting for contour #1266	●	●	●	●	●
	Korean language supported again	●	●			
	VS License Manager: support of wildcards for privilige rule configuration #1293	●	●	●	●	●

Fixes:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	Alternative JT import: multiple loading errors #1207	●	●	●	●	●
	JT Assembly loads correctly #779	●	●	●	●	●
	Improve circle detection #1304	●	●	●	●	●
	Setup: check for correct supported Windows version #1315	●				
	Start up: race conditions when using LMX License Manager #1318	●				
	3DPDF with import dialog: choose starting scene with 2D/3D button	●	●	●		
	XML-API: GetNodeProperties #1283	●	●	●		●
	XML-API: ImportVSXMLToNode sets correct color #1300	●	●	●		●
	Correct cleanup for exit codes #1298					●
	VS License Manager: Windows Usergroup Timeout #1313	●	●	●		●
	VS License Manager: ServerConfig.json no longer overwrites itself on updates	●	●	●	●	●

Previous Version

Version:	2024.0.444	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-02-09					

Updated system requirements: Windows 10 / Windows Server 2016

Fixes:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	BOM setting "Configure attribute display" #1282	●	●	●	●	●
	Import setting "Additional search paths" #1282	●	●	●	●	●
	WV: Visualization settings for 2D #1288		●	●		
	WV: Skybox selection #1277		●	●		
	KAS: Generate screenshot exit code #1298					●

Full Version History

Version:	2024.1.166	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-03-12					

New:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	Import 3D: o SolidWorks 2024	●	●	●	●	●
	Alternative JT import: support of views and tessellated PMIs #1207	●	●	●	●	●
	Add field to ribbon to search online help center	●	●			
	Line width setting for contour #1266	●	●	●	●	●
	Korean language supported again	●				
	VS License Manager: support of wildcards for privilige rule configuration #1293	●	●	●	●	●

KISTERS

Version:	2024.1.166	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-03-12					
Fixes:	▪ Alternative JT import: multiple loading errors #1207	●	●	●	●	●
	▪ JT Assembly loads correctly #779	●	●	●	●	●
	▪ Improve circle detection #1304	●	●	●	●	●
	▪ Setup: check for correct supported Windows version #1315	●				
	▪ Start up: race conditions when using LMX License Manager #1318	●				
	▪ 3DPDF with import dialog: choose starting scene with 2D/3D button	●	●	●		
	▪ XML-API: GetNodeProperties #1283	●	●	●		●
	▪ XML-API: ImportVSXMLToNode sets correct color #1300	●	●	●		●
	▪ Correct cleanup for exit codes #1298					●
	▪ VS License Manager: Windows Usergroup Timeout #1313	●	●	●	●	●
	▪ VS License Manager: ServerConfig.json no longer overwrites itself on updates	●	●	●	●	●

Version:	2024.0.444	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-02-09					

Updated system requirements: Windows 10 / Windows Server 2016

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Fixes:	▪ BOM setting "Configure attribute display" #1282	●	●	●	●	●
	▪ Import setting "Additional search paths" #1282	●	●	●	●	●
	▪ WV: Visualization settings for 2D #1288		●	●		
	▪ WV: Skybox selection #1277		●	●		
	▪ KAS: Generate screenshot exit code #1298					●

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2024.0.438					
Release date:	2024-01-26					

Updated system requirements: Windows 10 / Windows Server 2016

New:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
▪	Import 3D: ○ Solid Edge 2024 ○ Parasolid 36.0	●	●	●	●	●
▪	Import 2D: ○ Solid Edge 2024 ○ Solidworks 2024 ○ NX 2306 Series (until 2306.7000) ○ CATIA V6 R2024x	●	●	●		●
▪	Export 2D: ○ DXF R32 (AutoCAD 2018)	●	●	●		●
▪	New icons for all products and 3DVS files	●	●	●	●	●
▪	JT import: alternative import per setting for tests available #1207	●	●	●	●	●
▪	3DVS export: option to save resources (skyboxes, backgrounds, materials, glare effects)	●	●	●	●	●
▪	IFC import: performance improvements #942 #1164	●	●	●	●	●
▪	STL, OBJ and E57 import: settings added to split huge files on import, helps with performance and enables to load files that would be too big otherwise #1090 #1170	●	●	●	●	●
▪	WV: improved quality of displayed images #1108		●	●		
▪	Section: slice geometries, can be applied several times (does not equal multi-cut) #1098	●	●	●		●
▪	Compare: added comparison for PMIs #970	●	●	●	●	●
▪	Selected faces can be merged #1180	●	●	●	●	●
▪	KAS can now be separately installed					●
▪	PMIs: support of multiple colors #734	●	●	●	●	●
▪	Materials: improve patterned texture application #1151	●	●	●	●	●
▪	Mouse setting for fit-all function #962	●	●	●		
▪	Always show rotation point #960	●	●	●		

KISTERS

Version:	2024.0.438	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2024-01-26					

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	▪ XML-API pane moved from Output pane to Tool ribbon, response output added #1103	●				
	▪ XML-API: functions to color nodes or faces randomly # 1221	●	●	●	●	●
	▪ VS License Manager: supports upgrade-switches of license features now	●	●	●	●	●
	▪ VS License Manager: license monitor improvements # 1186	●	●	●	●	●
Fixes:	▪ Correct installation behavior for closing running applications #1204	●	●	●	●	●
	▪ Improve startup behavior of Desktop version #1211	●				
	▪ WV: initialize 2DAdvanced feature correctly #1255		●	●		
	▪ SolidEdge import: correct subassembly visibility #925	●	●	●	●	●
	▪ STEP import: load tessellation correctly #1023	●	●	●	●	●
	▪ NX import: load node visibility correctly #1193	●	●	●	●	●
	▪ OBJ import: load textures in edge case correctly #1170	●	●	●	●	●
	▪ Aligning: Move: enable functions to work with a boundary condition if activated #1235	●	●	●	●	●
	▪ Structure tree: moving nodes lost file paths #1214	●	●	●	●	●
	▪ WV: Structure tree: multi-selection with SHIFT in a large tree #1234		●	●		
	▪ Clear CustomIDs #1229	●	●	●		●

Version:	2023.7.197	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-11-17					

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ Import 3D: ○ Revit 2024	●	●	●	●	●

Version:	2023.7.197	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-11-17					
	▪ Solid Edge: support of Assembly Features #829	●	●	●	●	●
	▪ Center handle of translation transformations (move) #1087	●	●	●		●
	▪ Reset geometries to initial color	●	●	●		●
	▪ Overwrite initial color of geometries	●	●	●		●
	▪ BOM: new creation mode: Structure tree: lists all root and PO nodes #716	●	●	●		●
	▪ BOM: new creation mode: Selection including children: lists selected node and all its children nodes #1160	●	●	●		●
	▪ BOM: new option to remove or keep empty columns #1169	●	●	●		●
Fixes:	▪ SolidEdge import: show pipes correctly #830	●	●	●	●	●
	▪ SolidEdge import: show frames correctly #646	●	●	●	●	●

Version:	2023.6.145	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-10-13					

New:	▪ Import 3D:
	  o NX 2306
	  o JT up to 10.9
		●	●	●	●	●

	▪ Import 2D: o NX 2306 Series (until 2306.4000)	●	●	●		●
	▪ Curvature analysis: New feature to analyse surfaces	●	●	●	●	●
	▪ KAS Monitor: New tool for conversion per directory monitoring					●
	▪ PLMXML import: option to load 3DVS instead of referenced JTs #1053	●	●	●	●	●
	▪ 2D: option to turn page with mouse wheel	●	●	●		
	▪ 2D: option to keep position when turning pages #291	●	●	●		

KISTERS

Version:	2023.6.145	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-10-13					

Fixes:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	SolidEdge import: Coordinate system visibility and size #825 #861 #862	●	●	●	●	●
	SolidEdge import: Simplifications improvements #808 #864	●	●	●	●	●
	Navisworks import improvements #927 #989	●	●	●	●	●
	Improve radius measurements #1046	●	●	●	●	●
	Improve angle measurements #1072	●	●	●	●	●
	Improve display of PMIs with asian characters #908	●	●	●	●	●
	Improve display of drawings with asian characters #872	●	●	●		●
	Improve Copy-Paste behaviour #946 #947	●				

Version:	2023.5.648	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-09-08					

New:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	Import 3D: ○ USD	●	●	●	●	●
	Rework: Floating licensing	●	●	●	●	●
	Rework: Wall thickness #140	●	●	●		●
	Rework: Band analysis #144 #143	●	●	●		●
	Rework: Aligning #607	●	●	●	●	●

Fixes:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	Revit: Problems with displaying of Revit file #920	●	●	●	●	●
	3DPDF: prevent crash during loading #984	●	●	●		●
	Neutral axis: optimizations for some cases #986	●	●	●		●

Version:	2023.5.648	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-09-08					
	▪ Load DWG/DXF import dlls correctly #931	●	●	●	●	●
	▪ DXF export speedup in critical cases #987	●	●	●		●
	▪ 2D default export format is not applied #897	●	●	●		●
	▪ WebViewer Ribbon for small screens fixed #1035		●	●		

Version:	2023.4.217	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-08-09					

New:	▪ Import 3D: o ACIS 2023 o Creo 10.0 o Navisworks 2024	●	●	●	●	●
	▪ Import 2D: o NX 2212 Series (until 2212.7000)	●	●	●		●
	▪ NX assembly files load referenced JT files #907 #7110	●	●	●	●	●
	▪ Selection: all geometries, all PMIs and all markups	●	●	●	●	●
	▪ VR: activating views now changes the position #969				●	
	▪ XML-API console	●				
Fixes:	▪ Navisworks file loading error #826	●	●	●	●	●
	▪ CATDrawing: wrong font recognized for some symbols #743	●	●	●		●
	▪ Show quick info on hover in structure tree #945	●				
	▪ Use correct position while copying focused geometry to second scene #854	●				
	▪ 100 % Ghost shows correct transparency #896	●	●		●	●
	▪ Activation license: correct maintenance check #941	●	●	●	●	●

Version:	2023.4.217	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-08-09					
	▪ Import: ZIP archive was falsely recognized as 3MF #421	●	●	●	●	●

Version:	2023.3.149	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-06-09					

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ Import 3D: 　o Catia V5_6 R2023 　o Parasolid 35.1 　o Inventor 2024	●	●	●	●	●
	▪ DXF export: screen-aligned markups are saved as text #798	●	●	●		●
	▪ Node properties to adjust rotation and scale of patterned materials #865	●	●	●	●	●
	▪ XML-API: FindAndReplaceString #764	●	●	●	●	●
	▪ XML-API: ConvertVSXMLToNestedSTEP now supports optional export of node tree structure #661	●	●	●	●	●
	▪ XML-API: Set markup anchor #744	●	●	●	●	●
Fixes:	▪ Reestablished support of older CPUs #877	●	●	●	●	●
	▪ 3DVS and VSXML: Floating point format may differ in XML content if precision can be preserved by using scientific notation #762	●	●	●	●	●
	▪ Floating license issue regarding the combined use of IMPORT_3DVS and IMPORT_All fixed #910	●	●	●	●	●
	▪ Parasolid import: show correct node names in structure tree #906	●	●	●	●	●
	▪ STEP import: show views correctly #595	●	●	●	●	●
	▪ CATIA import: show a part not multiple times #131	●	●	●	●	●
	▪ CATIA import: don't show coordinates systems as faces #132	●	●	●	●	●
	▪ CATIA import: load R22 files updated with CATIA R32 #781	●	●	●	●	●

Version:	2023.3.149	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-06-09					
	▪ Revit import: rfa file loads now correctly #797	●	●	●	●	●
	▪ STEP export: tessellation issue #614	●	●	●		●
	▪ VSXML import: progress overlay was not removed #924		●	●		
	▪ DXF export: circle recognition algorithm improved #800	●	●	●		●
	▪ Some formats could not be converted to FBX #911					●
	▪ Material rendering repaired after disassembling and reassembling surfaces #645	●	●	●	●	●
	▪ Webviewer usage collector optimised #839		●	●		
	▪ jQuery update #902		●	●		

Version:	2023.2.146	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-04-14					
New:	▪ Import 2D o NX 2212 Series until 2212.4000 o HEIC (as is) o Excellon (as is)	●	●	●		●
	▪ Exact compare: works now with tessellation #517	●	●	●	●	●
	▪ Export views to PDF: new settings to define paper format and DPI #567	●	●	●		●
	▪ Presets: color picker can include user-defined tooltip #776	●				
	▪ XML-API: SaveAsRelative		●	●		
Fixes:	▪ CGM: wrong display #667	●	●	●		●

KISTERS

Version:	2023.1.225	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-03-28					

Fixes:	Windows Server 2016 startup #789	●	●	●	●	●
	Print dialogue #785	●				
	Change name: Del button deletes node #788	●				
	Structure tree: cut and paste #787	●	●	●		

Version:	2023.1.224	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-03-17					

New:	Import 3D
	  o AVEVA RVM
	  o Navisworks 2023
	  o NX 2212
	  o Parasolid 35.0
	  o Solid Edge 2023
	  o SolidWorks 2023
		●	●	●	●	●

	SolidEdge import: support of coordinate systems	●	●	●	●	●
	JT export: support of coordinate systems	●	●	●		●
	Faster vector export (DXF, SVG)	●	●			●
	Cut of multiple nodes and paste on one of them creates a new node	●	●			●
	Rework: Alignment functions part 1: Render preview	●	●	●		●
	Rework: Attribute CSV import	●	●	●		●
Fixes:	Solid Edge 2022 simplifications #502	●	●	●	●	●
	Solid Edge assembly references #754	●	●	●	●	●
	Multiple Inventor import issues #582 #584	●	●	●	●	●
	OBJ import: missing triangles #715	●	●	●	●	●

Version:	2023.1.224	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-03-17					
▪ WRL import: missing geometries #671		●	●	●	●	●
▪ Shut down when double-click in structure tree		●				
▪ API: ConvertDXFVersion not working #724		●	●	●		●
▪ Uninstall error		●			●	
▪ Deleting of log files #761			●	●		

Version:	2023.0.405	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-02-13					

New:		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
▪ **IMPORTANT:**						
o This release includes licensing updates for VisShare. Old licenses will not run with this VisShare.				●		
▪ Import 3D o Revit 2023		●	●	●	●	●
▪ Import 2D o CATIA V6 R2023x o Solid Edge 2023 o Solidworks 2023		●	●	●		●
▪ 2D DWG/DXF: Font substitution available on import #503		●	●	●		●
▪ Edge length of construction planes can now be defined on import		●	●	●	●	●
▪ Structure tree: edit node names per click #625		●	●	●		
▪ Structure tree: new functions to cut, copy and paste		●	●	●		
▪ KAS: The log file now contains all the information used during the conversion (path to the used settings etc.) #639						●
▪ VR: new setting to define color and transparency of the floor #666					●	

KISTERS

Version:	2023.0.405	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2023-02-13					

Fixes:	STEP import crashed in rare cases #719	●	●	●	●	●
	Creo 4 and 7 assemblies open correctly #248 #463	●	●	●	●	●
	Revit: fix box representation of some geometries #6880	●	●	●	●	●
	DWG: an old version was incorrectly recognized #623	●	●	●	●	●
	3DPDF recognition improved #718	●	●	●	●	●
	PLMXML reader improved #601	●	●	●	●	●
	VSXML: set correct node type #642	●	●	●	●	
	Some native PMIs had a wrong bounding box and made the scene huge #632	●	●	●	●	●
	Improve highlighting of PMI references #603	●	●	●	●	
	BOM: Bounding box measurements corrected #681	●	●	●		●
	Correct FitAll in perspective mode #599	●	●	●	●	
	Circles can be measured again after extracting faces of a solid #532	●	●	●	●	●
	World coordinate systems were created at the wrong position in rare cases #530	●	●	●		
	Set section plane handles correctly after activating views #88	●	●	●	●	
	Show face properties when selecting multiple faces #627	●	●	●	●	
	Activator success exit code was moved from 1 to 0 #624	●	●	●	●	●

Version:	2022.8.293	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2022-12-05					

New:	DXF Export: support of coordinate systems #544	●	●	●		●
	Import attributes from CSV #596	●	●	●		

Version:	2022.8.293	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2022-12-05					
	▪ Background color for PMIs #535	●	●	●	●	●
	▪ BOM - new options: Bounding box, gravity center, structure level #273 #288 #326	●	●	●		●
	▪ Show face attributes #329	●	●	●		●
	▪ API: Identify node complexity #350	●	●	●		●
Fixes:	▪ Improve import of PDF #576 #589	●	●	●		●
	▪ Improve instance recognition #590	●	●	●	●	●
	▪ Improve E57 point cloud rendering #540	●	●	●	●	
	▪ Fix split scene function #600	●	●	●		
	▪ Fix circle markups in 2D #453	●	●	●		●
	▪ Improve TIF performance after copy/paste #619	●	●	●		
	▪ Improve loading of many attributes #618	●	●	●	●	●
	▪ VR: One eyed rendering in some cases				●	

Version:	2022.7.482	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2022-11-07					
New:	▪ IMPORTANT: o This release contains security updates. We recommend updating to this version as soon as possible.	●	●	●	●	●
	▪ Import 2D o NX 2206	●	●	●	●	●
	▪ Export 2D o WMF (raster)	●	●	●	●	●
	▪ Activation licensing improved	●	●		●	●

KISTERS

Version:	2022.7.482	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2022-11-07					
	▪ Transform: three points to three points #403	●	●		●	
	▪ Copy/Paste in 2D scenes #218 #224 #489	●				
	▪ Improve performance of VSXML import	●	●	●	●	●
	▪ Load structure, then reload all nodes #476	●	●	●	●	●
	▪ Setup: New option to generate extensive support information for critical cases (default: on)	●	●	●	●	●
Fixes:	▪ Show correct wall thickness result in the measurement pane #549	●	●	●		
	▪ Line highlights are rendered with line width correctly #537	●	●	●	●	
	▪ Improve Solidworks conversion in rare cases #484	●	●			●
	▪ Improve Navisworks import #516	●	●	●	●	●
	▪ Improve Solid Edge DFT import #470 #3675	●	●	●		●
	▪ Improve SVG export #504	●	●	●	●	●
	▪ E57: use correct scale and up-vector	●	●	●	●	●

Version:	2022.6.170	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2022-09-05					
New:	▪ IMPORTANT:	●	●	●	●	●
	o Network licensing (Floating) requires license server version 5.0 or higher					
	▪ STEP, IFC and Creo Import: choose codepage to display node names correctly (available codepages can be edited in the preset.xml) #405	●	●	●		●

Version:	2022.6.170	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2022-09-05					
	▪ Rework of node movements in structure tree #188 #189	●				
	▪ Structure tree: CSV Export #393	●	●	●		
	▪ Structure tree: horizontal scrollbar #472	●				
	▪ Option to turn material rendering off #270	●	●	●	●	●
	▪ Animated focus (includes translation, rotation and ghosting) #440	●				
	▪ TIFF 8bpp import #451	●	●	●		●
	▪ XML-API: GetWallthicknessRollingBallAnalysisResults #396	●	●	●		●
Fixes:	▪ Solidworks format recognition fix #473	●	●	●	●	●
	▪ DXF Export: sometimes showed hidden lines #448	●	●	●		
	▪ DXF Export: circle recognition improved #417	●	●	●		
	▪ Raster images: export and printing fixed #471	●	●	●		●
	▪ Improve undercut calculation #271	●	●	●	●	●
	▪ Handle missing materials correctly #386	●	●	●	●	●
	▪ Handle geometries after wire removal and generation correctly #483	●	●	●		●
	▪ Structure tree: fix behavior in large trees #472	●				
	▪ Fix Callout and Fixed Text positioning for printing and 2D raster export #477	●	●	●		●
	▪ Skybox: incremental rendering fixed #475	●		●	●	●
	▪ XML-API: GenerateAttribute and GenerateCustomIds fixed for special characters #388	●	●	●		●

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2022.5.199					
Release date:	2022-08-11					

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:** o Network licensing (Floating) requires license server version 5.0 or higher	●	●	●	●	●
	▪ Import 3D o AutoCAD DWG/DXF #181 o Creo 9 o Inventor 2023 o Parasolid 34.1 o NX 2206	●	●	●	●	●
	▪ Export 3D o XML-API: Convert VSXML to STEP AP214-CC06 Master file (nested external references) #351	●	●	●		●
	▪ KAS/API: new command CONVERT_AND_EXECUTE_XML					●
	▪ First level of attribute names shown as subcategories	●	●	●		
	▪ Improve 3DVS and VSXML import performance	●	●	●	●	●
	▪ Option to replace the 3D model with a screenshot in templated 3DPDF export	●	●	●		●
Fixes:	▪ Save field of view settings in 3DVS files #274	●	●	●		●
	▪ Show attributes correctly #167	●	●	●		●
	▪ Improve DXF/SVG export performance	●	●	●		
	▪ DXF measurements wrong #349	●	●	●		
	▪ PDF format recognition improved #458	●	●	●	●	●
	▪ PDF attachment display with unicode characters #416	●	●	●		
	▪ Huge STL files crashed #296 #324	●	●	●	●	●
	▪ STPX, 3DS, 3MF, Collada: Node name in structure reduced from pathname to filename #361	●	●	●		●
	▪ Copy text to clipboard: Fix and rework deactivation handling #390	●	●	●		

Version:	2022.5.199					
Release date:	2022-08-11	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	▪ Measurement markups: Improve rendering of reference wires #411	●	●	●	●	●
	▪ Coordinate systems: visibility fixed, when they are not near geometry #412	●	●	●	●	●
	▪ Load fonts with unicode filenames correctly on startup #410	●	●	●	●	●
	▪ Correct translation for presets #86		●	●		
	▪ Circle markup creation relative to camera #375				●	
	▪ Error message when loading 2D documents #375				●	
	▪ Section cut controllers, pickray, menu and floor #375				●	
	▪ Correct floor shadow in perspective #375	●	●	●	●	

Version:	2022.4.169					
Release date:	2022-07-07	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ IMPORTANT: o Network licensing (Floating) requires license server version 5.0 or higher	●	●	●	●	●
	▪ Import 3D o Catia V5-6R2022 (R32)	●	●	●	●	●
	▪ Import 2D o Creo 9.0 o NX 2019, 2027	●	●	●	●	●
	▪ WebViewer: Server health tests added #69		●	●		

KISTERS

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2022.4.169					
Release date:	2022-07-07					
	WebViewer: Server blocks incoming requests on high load #69		●	●		
	Techdoc/BOM: Option to generate ID with only attribute value #129	●	●	●		
	API: Compare two 3D models per URL parameter with Bestfit computation for auto alignment		●	●		
Fixes:	Creo 8 file loads correctly #233	●	●	●	●	●
	NX PRT: handle 2D/3D case correctly #401	●	●	●		●
	SLDDRW: correct position of information flags #251	●	●	●		●
	UpdateScene rework #161	●	●	●	●	
	Improve Split computation time #336	●	●	●	●	
	Clash: compute multiple times fix #201	●	●	●	●	
	Fix crash in Bestfit computation #368	●	●	●		
	Improve clipping plane handling in flythrough/with focus #52	●	●	●	●	
	Fix interactions, if section and markup creation are both active #92	●	●	●	●	
	Remove undo for configuration view creation #89	●	●	●		
	Wrong world bounding box in rare cases #343	●	●	●	●	
	Websocket closed behavior optimized for clients that sent connect message #301		●	●		
	WebViewer: Copy image to clipboard fix #247		●	●		
	Structure & output panes are scaled along with resolution change #230	●				
	VR: Skybox fixed #374				●	

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2022.4.169					
Release date:	2022-07-07					
	▪ VR: Display shadow correctly #340				●	

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2022.3.428					
Release date:	2022-05-21					
New:	▪ **IMPORTANT:** 　o Network licensing (Floating) requires license server version 5.0 or higher	●	●	●	●	●
	▪ Import 3D 　o Autodesk Navisworks 2012 - 2022 　o Autodesk Revit 2022 　o JT 10.6	●	●	●	●	●
	▪ Best fit: align two nodes to overlap #113	●	●	●		
	▪ Measure point to point on curve #111	●	●	●		
	▪ Transform: circle center to point #204	●	●	●		
	▪ Attachment pane for 2D documents #158	●	●	●		
	▪ Change color of tessellated PMIs on import #78	●	●	●	●	●
	▪ Add 7 additional light sources #45	●	●	●		
	▪ Table view extended by date and file size #258			●		
Fixes:	▪ Fonts for DWG/DXF #122	●	●	●	●	●

Version:	2022.3.428					
Release date:	2022-05-21	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	3D PDF crashing in rare cases #305	●	●	●	●	●
	OBJ: Improve texture visualisation #277	●	●	●	●	●
	HPGL with embedded TIF: correct display #82	●	●	●	●	●
	Inventor assembly won't open #5181	●	●	●	●	●
	Solidworks: wrong transparencies #6583	●	●	●	●	●
	Conversion of Solidworks configurations with special characters #286					●
	Correct conversion of limited Solidworks configurations #325					●
	Markups: fix CustomID, reference and scale handling #252 #299 #300	●	●	●	●	●
	Crashes with corrupted wires in rare cases #272	●	●	●	●	●
	BOM: copy to clipboard missing information #292		●	●		
	Fix anchor for Markups in views #308	●	●	●	●	●
	Coordinate system picking highlight #40	●	●	●	●	●
	Improve instantiation #123	●	●	●	●	●
	Clash volume color always black #239	●	●	●	●	●
	Save mouse settings for 2D correctly #55	●	●	●	●	●
	Display VSXML CustomIds correctly #313	●	●	●		
	Improve transformations including TechDoc markups #160	●	●	●		
	Setup will check if the OS is compatible before installing	●	●	●	●	●

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2022.2.167					
Release date:	2022-04-11					
New:	▪ **IMPORTANT:** 　o Network licensing (Floating) requires license server version 5.0 or higher	●	●	●	●	●
	▪ Import 3D 　o NX 2007 　o Solid Edge 2022 　o SolidWorks 2022	●	●	●	●	●
	▪ Import 2D 　o CATIA V5-6R2022 (R32) 　o NX 2007, 2008, 2011, 2015	●	●	●	●	●
	▪ Layer support for 2D documents #180	●	●	●		
Fixes:	▪ JT PMIs: improve visualization #168	●	●	●		●
	▪ TIFF: fix loading error #250	●	●	●		●
	▪ Undercut fix #271	●	●	●	●	●
	▪ 2D compare did not work in rare cases #246	●	●	●		
	▪ Markup import: use CustomIDs correctly #249	●	●	●	●	●
	▪ KAS: fix rare crash during SolidWorks convert #174		●	●		●
	▪ WV: custom-svg-icons.xml moved to www\custom		●	●		
	▪ WV: index.html, version starts with a '.': <code><script>var _WVVersion = ".2022.2.167-3d9e160cb0";</script></code>		●	●		
	▪ WV: svg-icons.xml renamed to match other files versioning style		●	●		
	▪ WV: references and loader adjusted		●	●		

KISTERS

Version:	2022.1.136
Release date:	2022-03-08

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:**	●	●	●	●	●
	o Network licensing (Floating) requires license server version 5.0 or higher					
	o New Microsoft Redistributables will be installed during the setup routine. They contain fixes for some OS.					
	▪ Rework: Shadow rendering #116	●	●	●	●	
	▪ Copy text from 2D files to clipboard #112	●	●	●		
	▪ Import setting to load PMIs as 'always on top'	●	●	●		
Fixes:	▪ Increase possible datasize in 3DVS files #112	●	●	●		●
	▪ PMI reference highlighting not displayed in rare cases #184	●	●	●	●	●
	▪ KAS: special character handling added #186					●
	▪ Improve logging				●	●

Version:	2022.0.296
Release date:	2022-02-11

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:**	●	●	●	●	●
	o Network licensing (Floating) requires license server version 5.0 or higher					

Version:	2022.0.296					
Release date:	2022-02-11					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	Import 3D o Parasolid 34.0	●	●	●	●	●

	Import 2D
	   o Solid Edge 2022
	   o Solidworks 2022 (SP0)
	   o NX 1992, 1996, 2000
		●	●	●	●	●

	Customize scene lighting (color/brightness) #138	●	●	●		
	Increase node luminosity #138	●	●	●		
	CATIA: PMI references to solids #50	●	●	●	●	
	Setting to load prototype views #51	●	●	●		
	Setup creates backup of presets.xml	●			●	
Fixes:	JT to 3DVS: PMI text correctly exported #49 #105	●	●	●		●
	E57: loading error when UTF8 characters in filepath #109	●	●	●	●	●
	FBX: loading error in rare cases #119	●	●	●	●	●
	CATDrawing: won't open #6765	●	●	●		●
	CATDrawing: wrong curves #6876	●	●	●		●
	DFT: wrong measurement #6912	●	●	●		●
	DFT: won't open #7195	●	●	●		●
	PDF: no background/wrong background color #124 #149	●	●	●		●
	DXF/SVG Export: lines missing #17 #53	●	●	●		●
	CGM Export fixed #18	●	●	●		●
	Open 3D scene for Office documents	●	●	●		●

KISTERS

Version:	2022.0.296					
Release date:	2022-02-11					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	▪ Improve volume calculation #47	●	●	●		
	▪ Loading error when UTF8 characters are in filepath #81		●	●		
	▪ Transform: Free drag not working #44		●	●		
	▪ PMI properties: change font #59		●	●		
	▪ Support info zipfile was not created #20	●				●
	▪ XML-API: ImportConfigurationViews fix #39	●	●	●		

Version:	2021.1.835					
Release date:	2021-11-10					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:**	●	●	●	●	●
	o Network licensing (Floating) requires license server version 5.0 or higher					
	▪ Import 3D o ACIS 2021 1.0	●	●	●	●	●

	▪ Import 2D
	  o NX 1980, 1984, 1988
	  o 2D DWG/DXF: option to load multiple layouts #7020 #2841 #5938 #6557 #6791
		●	●	●		●

	▪ Calculate Inertia	●	●	●		●
	▪ TIF: change contrast #7252	●	●	●		

Version:	2021.1.835					
Release date:	2021-11-10					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Fixes:	▪ FBX Export: Root nodes missing #7122	●	●	●		●
	▪ SolidWorks configurations: incorrect display of parts #6953	●	●	●		●
	▪ CATIA files could not be opened #7102	●	●	●		●
	▪ PLMXML: some files could not be opened #7224	●	●	●		●
	▪ Crash of PDFs in rare cases #7187	●	●	●		●
	▪ Speed up deletion of views #7089	●	●	●		
	▪ 2D text search: Position of highlighting #6804	●	●	●		
	▪ Coloring faces #7029	●	●	●		
	▪ Export convex hull #7046	●	●	●		●
	▪ Optimize update view navigation #7211	●	●			
	▪ Print of large 2D files #7242	●	●	●		●
	▪ Correct filepaths in VSXML export #7199	●	●	●		●
	▪ Picking performance #7230				●	
	▪ Clean up node IDs of markups #7226	●	●	●	●	●
	▪ Fix circle selection for various measurement functions #7120	●	●	●	●	
	▪ TechDoc callouts: export fix #7173	●	●	●		●
	▪ TreePath on root level now unique #7156	●	●	●	●	●
	▪ Minimal bounding box: crash in rare cases #7129	●	●	●	●	
	▪ Default language after installation #7193	●			●	
	▪ XML-API: add SetSelectFaces #7165	●	●	●		

KISTERS

Version:	2021.1.835	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2021-11-10					
	▪ XML-API: add GetNodeTransformMatrix #7137	●	●	●		
	▪ XML-API: get/set camera using wrong position #7124	●	●	●		
	▪ XML-API: setting a CustomId (SetNodeProperties) resets constraints on child nodes fixed #7170	●	●	●		

Version:	2021.1.424	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2021-09-01					
New:	▪ **IMPORTANT:**	●	●	●	●	●
	○ Network licensing (Floating) requires license server version 5.0 or higher					
	○ Updated Microsoft Redistributables are needed (will be installed during the setup routine)					
	▪ Import 2D ○ TIFF performance increased #7070	●	●	●		●
	▪ 2D measurements: choose document scale #6787	●	●	●		
	▪ Search: PMI, markup, text added #7019		●	●		
	▪ Wall thickness heatmap: option to keep preferred values #6988	●	●	●		
Fixes:	▪ FBX export: prevent export of deleted geometries #7086	●	●	●		●
	▪ VSXML export: physical properties will be written #6972	●	●	●	●	●

Version:	2021.1.424					
Release date:	2021-09-01	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	Improve visibilities after transformation or rotation #7050	●	●	●	●	
	Length measurement: prevent crash #7085 #7105	●	●	●	●	
	Markup text: improve multiline handling #7033	●	●	●	●	
	Change path for logging to AppData directory #7025	●				
	VR: improve logging #7009				●	
	VR: improve screenshots #7010				●	

Version:	2021.1.11					
Release date:	2021-08-11	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:**	●	●	●	●	●
	○ Network licensing (Floating) requires license server version 5.0 or higher					
	○ Updated Microsoft Redistributables are needed (will be installed during the setup routine)					
	▪ Import 3D ○ Inventor 2022	●	●	●	●	●
	▪ Optional prompt to save when closing a scene #6966	●				
	▪ References for dimensionings of surfaces and edges	●	●	●		
	▪ VR menu settings will be saved				●	

KISTERS

Version:	2021.1.11	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2021-08-11					
Fixes:	▪ Optimization of visualization of coordinate systems #6922	●	●	●	●	●
	▪ Clash: set transparency of collision pair correctly #6934		●	●		
	▪ 3DConnexion Controller: handling optimized #7043	●	●	●		
	▪ Solidworks: ASM could not be opened #6865	●	●	●	●	●

Version:	2021.0.132	Recommended Version				
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2021-07-20					
New:	▪ **IMPORTANT:**	●	●	●	●	●
	o Network licensing (Floating) requires license server version 5.0 or higher					
	o New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation					
	o Updated Microsoft Redistributables are needed (will be installed during the setup routine)					

	▪ Import 3D
	  o Catia V5-6 R2021
	  o NX - Unigraphics 1980
	  o Parasolid 33.1
	  o Creo 8
		●	●	●	●	●

	▪ Import 2D
	  o Creo 8
	  o NX 1965, 1969, 1973
		●	●	●		●

Version:	2021.0.132	Recommended Version				
Release date:	2021-07-20	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

Fixes:	• JT: Views were missing in rare cases #6859	●	●	●	●	●
	• NX: 3D files show empty 2D document #6964	●	●	●		●
	• CATDrawing issues fixed #6765 #6876	●	●	●		●
	• Solid Edge drawing issues fixed #3154 #4707 #6912	●	●	●		●

Version:	2021.0.124					
Release date:	2021-07-02	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

New:	• **IMPORTANT:**	●	●	●	●	●
	o Network licensing (Floating) requires license server version 5.0 or higher					
	o New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation					

	• New FBX Im-/Exporter
	  o Import: all versions
	  o Improved load time #6410
	  o Export: binary 7.5
	  o Export coordinate system #6081
	  o Export correct scaling #5683
		●	●	●	●	●

	• Selection mode: Face	●	●	●		
	• Change the color of faces: Add vertex colors #6946	●	●	●		

KISTERS

Version:	2021.0.124	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2021-07-02					
	Measurement: Cumulated area #4099	●	●	●		
	Measurement: Distance point to face #3379	●	●	●		
	Transform: Boundary conditions: X, Y and Z axis added #5615	●	●	●		
	VSXML: XSD for validation	●	●	●	●	●
	XML-API: o New method for writing custom log messages to renderer instance log files and feature usage logging o Reference to part NodeIds and CustomIds added in VSXML for measurement markups o Camera Zoom/Pan limits o OpenFile extended: Load from URL	●	●	●		
Fixes:	VSXML import: improve performance #6473 #6976	●	●	●	●	
	Parasolid: improve format recognition #6897	●	●	●	●	●
	Improve visibility while viewing: remove flickering #6891	●	●	●	●	
	Clash computation #6921		●	●		
	Presets/properties: materials and density consolidated #6608	●	●	●	●	●
	Performance of measuring improved #6890	●	●	●	●	
	Face highlights during measurement improved #6417	●	●	●	●	
	Circle recognition improved #4519	●	●	●	●	
	Setup: added default installation path for silent installation #6913	●	●	●		●
	Setup: use user-defined path #6950	●	●	●	●	●
	Remember user-defined accelerator keys #6915	●				

Version:	2021.0.124					
Release date:	2021-07-02	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	▪ Session sharing: server side rework, spectator client optimized		●	●		
	▪ IPC fix for interprocess synchronization and communication problem on high server CPU load		●	●		
	▪ XML-API: call execution improved #6626		●	●		

Version:	2021.0.95					
Release date:	2021-05-10	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:**	●	●	●	●	●
	○ Network licensing (Floating) requires license server version 5.0 or higher					
	○ New 3DVS format V17. 3DVS files exported with this version are not compatible with pre-2021 versions of 3DViewStation					
	▪ Import 3D ○ JT 10.5 #6718 ○ NX - Unigraphics 1953 ○ Parasolid 33 ○ Rhino3D 7	●	●	●	●	●
	▪ Export 3D ○ GL Transmission Format 2.0 #5566	●	●	●	●	●
	▪ Import 2D ○ CATIA V5-6R2021 (R31) ○ NX: 1953, 1957 and 1961	●	●	●		●
	▪ GUI: Bounding box measurement optimized	●	●	●		
	▪ 3D-Markups: Multiple references to curves and faces	●	●	●	●	●

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2021.0.95					
Release date:	2021-05-10					
	▪ Offset lines are now removable (by GUI and API) #6705	●	●	●		
	▪ 3D-Markups: Variables and attributes can be used and line breaks can be set comfortably (GUI and API)		●	●		
	▪ VR: Different controller models can be displayed				●	
	▪ Ad hoc session sharing with multiple users		●	●		
Fixes:	▪ Markup export: Node ID & Custom ID added	●	●	●		
	▪ Markup creation stability improved #6600	●	●	●		
	▪ SolidEdge: Position of some lines were not correct #6345	●	●	●	●	●
	▪ PLMXML: Sequence number added to attributes #3799	●	●	●	●	●
	▪ XML-API: • Fly mode rework #6589 #6770 • Distance controllable camera alignment in fly mode • Align horizon in fly mode • Undo function includes node properties	●	●	●		
	▪ 2D-DWG: performance improved #6808	●	●	●		●
	▪ 2D-DWG: PDF export resulted in empty scene in Adobe Acrobat Reader #6695	●				●
	▪ 2D Compare improved #6552 #3436	●	●	●		
	▪ 3D-PDF: Stability of PMI handling improved #6522	●	●	●	●	
	▪ Print dialog: Scale setting improved #6595	●	●	●		
	▪ CATIA: Missing PMI text in rare cases #6848	●	●	●	●	●
	▪ CATIA: PMI alignment improved #6768	●	●	●	●	●

Version:	2021.0.95	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2021-05-10					
	▪ SolidWorks: Structure tree optimized #5918	●	●	●	●	●
	▪ Stability of drag&drop file import improved #6799	●				

Version:	2021.0.6	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2021-02-26					
New:	▪ **IMPORTANT:**	●	●	●	●	●
	o Network licensing (Floating) requires license server version 4.9.22 or higher					
	o New 3DVS format V17. 3DVS files exported with this version are not compatible with older versions of 3DViewStation					

	▪ Import 3D
	  o 3D Manufacturing Format (3MF) 1.2.3
	  o MineCraft
	  o Revit 2021
	  o Solid Edge 2021
		●	●	●	●	●

	▪ Export 3D
	  o 3DVS V17
	  o MineCraft
	  o WaveFront OBJ
		●	●	●	●	●

	▪ Import 2D o SVG	●	●	●		●
	▪ 2D: Transformations available	●	●	●		
	▪ Align camera vertical to a face	●	●	●		
	▪ BOM: Configuration of shown attributes	●	●	●		

Version:	2021.0.6					
Release date:	2021-02-26					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
BOM: Generating of callout ID by attributes		●	●	●		
BOM: Physical properties		●	●	●		
Convert dialog: Prefer geometry / prefer tessellation added		●				
Convex hull: Calculation speed improved		●	●	●	●	
Coordinate systems settings added and ribbon menu reorganized		●	●	●		
Create point at intersection of two lines		●	●	●		
Draft: Undercut analysis		●	●	●	●	●
Export of views overview to PDF		●	●	●		
Import progressbar		●	●	●		
Markups: User defined attributes		●	●	●		
Measurement: Distance solids to solids		●	●	●		
Minimal bounding box - Exact: Calculation speed improved		●	●	●	●	
Ribbon: Measurement reorganized		●	●	●		
Section: Create orthogonal to a line		●	●	●		
Section: Cut geometry with geometry colors possible		●	●	●		
Selection mode: PMI reference		●	●	●	●	
Setup wizard supports update of WebViewer / VisShare			●	●		
Snap mode for snapping mid- or endpoints of lines and edges		●	●	●	●	
Statusbar: Cursor coordinates		●				
Statusbar: Format version		●				

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2021.0.6					
Release date:	2021-02-26					
	▪ Support of textures: 3DVS, 3MF, DAE, FBX, GLTF, OBJ, U3D	●	●	●	●	●
	▪ Turntable mode: Settings for detailed configuration	●	●	●		
	▪ Views: Context menu to activate only the camera or the state of views	●	●	●		
	▪ Views: Import setting to apply **ZOOM: FIT ALL** to all views	●	●	●		●
	▪ VisShare: Mobile UI version for smartphones & tablets			●		
	▪ VR: Camera rotatable via thumbstick or touchpad of the controller				●	
	▪ VR: Feedback message boxes				●	
	▪ VR: Help menu				●	
	▪ VR: New design of Teleport with head height				●	
	▪ XML-API: New method ExportViewsAsPDF	●	●	●		
	▪ XML-API: New method GetSearchableNodeTypes	●	●	●		
Fixes:	▪ 2D: Zooming improved #6227	●	●	●		
	▪ CATDrawing: RAM usage optimized #6030	●	●	●		●
	▪ DOC/XLS/PPT couldn't be opened #6519	●	●	●		●
	▪ FBX: Import of colors #6092	●	●	●		●
	▪ Improvements of stability when importing models with many root nodes #6486	●		●	●	●
	▪ JT: Import of prototype attributes #6495	●	●	●		●
	▪ KAS: Generated screenshots of 3DVS files were					●

Version:	2021.0.6					
Release date:	2021-02-26	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	empty in rare cases #6349					
▪	Markups: Improvement of markup creation in perspective mode with large models #6478	●	●	●		
▪	Minimal bounding box: Improvement of markup alignment #6504	●	●	●	●	
▪	PMI-Highlighting improved #6670	●	●	●	●	
▪	Raster formats: Improvement of scaling and dimensioning with calibration factor #6479 #6338 #6303 #6434 #6551	●	●	●		●
▪	Software distribution: VR icon is no longer created #6511	●			●	
▪	SolidWorks: EPM vault storage supported #6481	●	●	●	●	●
▪	SVG: Export of section colors and cut geometries #5775	●	●	●		●
▪	Vertex colors were not correctly applied in views #6324	●	●	●	●	
▪	Wallthickness heatmap: Improved visualization #6415	●	●	●	●	
▪	WebViewer: Sessions in standby can be continued #6277		●	●		

Version:	2020.1.410	Recommended Version				
Release date:	2021-01-14	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:**	●	●	●	●	●

Version:	2020.1.410	Recommended Version				
Release date:	2021-01-14					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	Network licensing (Floating) requires license server version 4.9.22 or higher					
	▪ Import 3D 　o SolidWorks 2021	●	●	●	●	●
	▪ Import 2D 　o CATIA V6 / 3DExperience R2021x 　o NX: 1938, 1942 and 1946 　o Solid Edge 2021 　o SolidWorks 2021	●	●	●		●
Fixes:	▪ Unattended installation: Desktop icons were not created in some cases #6511	●			●	
	▪ Minimal bounding box: Wrong orientation #6504	●	●	●	●	●
	▪ SolidWorks: EPM vault storage files can't be opened #6481	●	●	●	●	●

Version:	2020.1.395	Recommended Version				
Release date:	2020-11-20					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher	●	●	●	●	●
Fixes:	▪ Network licensing (Floating): License borrowing for offline use #6405	●				

KISTERS

Version:	2020.1.385	Recommended Version				
Release date:	2020-10-20	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	**IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher	●	●	●	●	●
	Minimum system requirements changed	●				●
	NEW SETUP WIZARD: o Includes all KISTERS 3DViewStation products o Revised comfortable user guidance o Optimised sofware distribution for desktop products	●	●	●	●	●
	HELPCENTER: Online knowledge base for end users and administrators. Offline fallback included.	●	●		●	●
	Import 3D o ACIS 2020 o CATIA V5-2020 o Creo 7.0 o JT 10.3 o Inventor 2021 o NX 1926	●	●	●	●	●
	Export 3D o JT 8.1, 9.5 & 10.0 selectable by dropdown menu	●	●	●		●
	Import 2D o CATIA V6 / 3DExperience R2020x o ProE / Creo Parametric 7.0 o NX: 1911, 1915, 1919, 1926, 1930, 1934	●	●	●		●
	VSXML: Performance improvements #5388	●	●	●	●	●
	MicroStation .DGN format support discontinued	●	●	●	●	●
	DISTANCE AND BAND ANALYSIS TOOL	●	●	●		
	MEASUREMENT OF THE TOTAL / CUMULATED LENGTH for tool path (laser, CNC, welding)	●	●	●		
	MEASUREMENT - ANGLE: Line to line (projected)	●	●	●		

Version:	2020.1.385	Recommended Version				
Release date:	2020-10-20	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	MEASUREMENT - SOLID TO SOLID: Performance improved	●	●	●	●	
	EXPLODE: o On selections o Restriction to certain directions	●	●	●		
	All created views can be automatically generated into single PNGs or as multi-page PDF including physical properties KAS method: export views	●	●	●		●
	Catia: Setting to import only captures (without views) #5700	●	●	●	●	●
	Setting to hide the rotation mouse pointer	●	●	●		
	2D: Calibration added #5692		●	●		
	Save as 3DVS-format				●	
	FONT SUBSTITUTION: o Button in settings pane to open the FontSubstitution.csv o The font substitution suggestion is inserted as a comment	●				
	Default substitution font changed from Arial to MyriadCAD for better support of special characters and symbols	●	●	●	●	●
	API: IFC Get/SetBCFVisualizationInfo with unit (default: meter) #6033	●	●	●	●	●
	PMI: Possibility to edit all text fields		●	●		
	Color adjustment is possible directly by entering hexadecimal or RGB values	●	●	●		
	Optimized **OUTPUT** window: o The output window is now managed per scene o The new tab "General" contains feedback on network licensing o New Setting: Enhanced loading statistics (progress tab)	●				
	Setting to change the log level	●			●	

KISTERS

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2020.1.385	**Recommended Version**				
Release date:	2020-10-20					
	▪ JT: Import setting for (quality) level of tessellation	●	●	●		
	▪ 2D: Enhanced zoom level	●	●	●		
	▪ PDF: Support of embedded JT files	●				
Fixes:	▪ Physical Properties: Wrong volume calculation in native CAD models #6276	●	●	●	●	
	▪ PLMXML / VSXML: Import progress status information #5767	●				
	▪ SolidWorks SpeedPak: Assembly couldn't be imported #4950	●	●	●	●	●
	▪ SolidWorks: Improved loading performance #6261	●	●	●	●	●
	▪ SolidWorks: Assembly didn't load with 'Prefer BREP'	●	●	●	●	●
	▪ Structure tree: Vertical scrollbar disappeared after Drag and Drop #5603	●	●	●	●	●

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2020.1.328					
Release date:	2020-09-11					
New:	▪ **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher.	●	●	●	●	●

Version:	2020.1.328	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2020-09-11					

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
	▪ Minimum system requirements changed.	●				●

	▪ **NEW SETUP WIZARD:**
	  o Includes all KISTERS 3DViewStation products.
	  o Revised comfortable user guidance.
	  o Optimised sofware distribution for desktop products.
		●	●	●	●	●

	▪ **HELPCENTER**: Online knowledge base for end users and administrators. Offline fallback included.	●	●		●	●
Fixes:	▪ VSXML: Stability improvements #6183	●	●	●	●	●
	▪ **EXTRACT FACES**: Stability improvements #6218	●	●	●		●
	▪ View transition mismatch and initial view issues fixed	●	●	●		
	▪ Missing images after importing views	●	●	●	●	●
	▪ View transition ghost state issues fixed	●	●	●		
	▪ API: UpdateScene error handling optimized	●	●	●		
	▪ API: Views play animated transition handling available	●	●	●		

Version:	2020.1.298	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Release date:	2020-08-26					

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
New:	▪ **IMPORTANT:**	●	●	●	●	●
	▪ Network licensing (Floating) requires license server					

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Version:	2020.1.298					
Release date:	2020-08-26					
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server

version 4.9.20 or higher.

	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
▪ Minimum system requirements changed.	●				●
▪ **NEW SETUP WIZARD:** o Includes all KISTERS 3DViewStation products. o Revised comfortable user guidance. o Optimized software distribution for desktop products.	●	●	●	●	●
▪ **HELPCENTER**: Online knowledge base for end users and administrators. Offline fallback included.	●	●		●	●
▪ Import 3D o ACIS 2020 o CATIA V5-2020 o Creo 7.0 o JT 10.3 o Inventor 2021	●	●	●	●	●
▪ Import 2D o CATIA V6 / 3DExperience R2020x o ProE / Creo Parametric 7.0 o NX: 1911, 1915, 1919	●	●	●	●	●
▪ VSXML: Performance improvements #5388.	●	●	●	●	●
▪ MicroStation .DGN format support discontinued.	●	●	●	●	●
▪ **BAND ANALYSIS**	●	●	●		
▪ **MEASUREMENT - ANGLE**: Line to line (projected).	●	●	●		
▪ **MEASUREMENT - SOLID TO SOLID**: Performance improved.	●	●	●	●	
▪ **EXPLODE:** o On selections o Restriction to certain directions	●	●	●		
▪ **VIEWS** can be conveniently exported as PNGs or, including the physical properties, as PDF.	●	●	●		●

		Desktop	WebViewer	VisShare	VR-Edition	Automation Server
Version:	2020.1.298					
Release date:	2020-08-26					
	▪ Catia: Setting to import only the captures (without views) #5700.	●	●	●	●	●
	▪ Setting to hide the rotation mouse pointer.	●	●	●		
	▪ 2D: Calibration added #5692.		●	●		
	▪ Save as 3DVS-format.				●	
	▪ **FONT SUBSTITUTION:** 　o Button in settings pane to open the FontSubstitution.csv. 　o The font substitution suggestion is inserted as a comment.	●				
	▪ Default substitution font changed from Arial to MyriadCAD for better support of special characters and symbols.	●	●	●	●	●
	▪ API: IFC Get/SetBCFVisualizationInfo with unit (default: meter) #6033.	●	●	●	●	●
	▪ API: New focus method - variable transition to show the area of selected objects.	●	●	●	●	●
	▪ PMI: Possibility to edit all text fields.		●	●		
	▪ Color adjustment is possible directly by entering hexadecimal or RGB values.	●	●	●		
	▪ Optimized **OUTPUT** window: 　o The output window is now managed per scene. 　o The new tab "General" contains feedback on network licensing. 　o New Setting: Enhanced loading statistics (progress tab).	●				
	▪ Setting to change the log level.	●			●	
Fixes:	▪ **EXTRACT SURFACES:** Failed in rare cases #5861, #5647.	●	●	●		●
	▪ **GHOST TRANSPARENCY** wasn't applied immediately #6050.	●	●	●	●	●

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Version:	2020.1.298				
Release date:	2020-08-26				
		Desktop	WebViewer	VisShare	VR-Edition	Automation Server

	Desktop	WebViewer	VisShare	VR-Edition	Automation Server
▪ **NEIGHBORHOOD SEARCH:** Stability improvements #6012.	●	●	●		●
▪ **WALLTHICKNESS HEATMAP:** Wrong results with ray method in rare cases #5678.	●	●	●	●	●
▪ **CIRCLE DETECTION:** Failed in rare cases #5815.	●	●	●	●	
▪ 3DVS: Problem when loading very large models in the Webviewer.		●			
▪ Creo: Section over more than one structure level #756.	●	●	●	●	●
▪ 2D Drawings: Markups were displayed on all pages #4880.	●	●	●		●
▪ 2D DXF: Missing lines in rare situations #5528 #5645 #5909.	●	●	●		●
▪ 2D DXF: Wrong scaling in rare cases #5537.	●	●	●		●
▪ FBX export: Surfaces sometimes had wrong colors #4537.	●	●	●	●	●
▪ IFC: Lines caused an empty scene in rare cases #5901.	●	●	●	●	●
▪ JT: Convert from 3DVS not possible in rare cases #5176.	●	●	●		●
▪ NX: Missing attributes in 'No category' #3728.	●	●	●		●
▪ STEP: Attributes with $ characters weren't shown correctly #5627.	●	●	●		●
▪ STEP: PMIs were transparent #5006.	●	●	●	●	●
▪ SVG export: Node color was ignored when a vertex color was set #5777.	●	●	●		●
▪ VDA: Stability improvements #5488.	●	●	●	●	●
▪ API: BCF default visibility fixed #6086.	●	●	●	●	●
▪ API: UpdateScene / SetSelectedNodes by CustomId #5963.	●	●	●	●	●
▪ API: Ghost / Constraints GhostLocked - Initial view, wrong state of ghosted nodes #5963.	●	●	●	●	●

Version:	2020.0.40	Recommended Version

Release date: 2020-05-12

Fixes:

- **DESIGNS**: Missing menu elements #5608
- **PROJECTED AREA**: Unit correction if scene unit is not mm #5763
- **POINT COORDINATE MEASUREMENT**: Consideration of the active coordinate system #5749
- Stability improvements #5804 #5794 #5829

Version:	2020.0.29	Recommended Version

Release date: 2020-04-15

Fixes:

- **NEIGHBORHOOD SEARCH**: Crash when changing input without selection #5741
- Opening files with double click #5742

Version:	2020.0.22	Recommended Version

Release date: 2020-04-09

New:

- Import 3D
    o NX 1899
    o Revit 2020
    o Parasolid v32.0

- Import 2D
    o CATIA: V5-6R2020 (R30)
    o NX: NX 1899, NX 1903, NX 1904, NX 1907

- Update 3DVS format to version 16 (incompatible to 3DViewStation 2019.1 and older)
- **SAVE AS** contains all 3D & 2D export formats. Additional screenshot export option in menu **TOOLS**
- Font recognition and replacement for 2D drawings (2D advanced licensed)
- Renaming of **FILTER** to **SEARCH** in menu **TOOLS**
    o Added case sensitivity option #3996
    o Search for content in PMIs, markups and text
- Clash detection:
    o Intersection volume
    o Intersection curves
    o Penetration depth
    o Performance improvement
- **NEIGHBORHOOD SEARCH**:
    o Linear distance
    o Box trap
- Status bar with additional information

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Version:	2020.0.22	Recommended Version

- **MERGE OBJECTS** in menu **MODEL**
- New UI designs (accessible via settings)
- New UI layouts (accessible via settings)
- Update of Microsoft Redistributables
- DropConvert support discontinued
- HiCAD importer support discontinued
- Windows 32-bit support discontinued

Enhancements:

- 2D: Create document background setting #2996
- Color palette can be customized via `Presets.xml` #5598
- API: Import/Export of BCF Collaboration View #4877
- API: Define initial view from current state #5458
- API: SearchNodes with CustomID #5629

Fixes:

- Gerber: Models were opened as text files #5665
- PLMXML: Empty files when exporting to 3D format #5698
- STEP AP242: Tessellation export issue #4775
- API: Callout projection event issues #5651
- Copy and paste problems of nodes #5543 #5575
- Improved alignment for newly created coordinate systems (normal and circle center) #5455
- Incorrect positioning of instanced parts #5569 #5656
- Lines and markups disappeared when importing another model in a scene #4941
- Lines are not displayed correctly #5486
- Opening of files with double click #5606
- Irregular problems when opening models with many instances #5638
- **IP PROTECTION - DELETE INVISIBLE**: Issue when computed on faces #5581
- Wrong camera position when a view with active flight mode is activated #5414

Version:	2019.1.132

Release date:	2020-02-17

Enhancements:

- Start up speed of 3DViewStation increased

Fixes:

- Hotfix for 2019.1.126: Windows 7 support
- Bounding Box Extents #4010
- Added setting for volume unit #5385

Version:	2019.1.126

Release date:	2020-02-11

New:

Version:	2019.1.126

- Update 3DVS format to version 15 (incompatible to 2019.0 and older)
- New Redistributables 2019 added to the setup. Installation is required.
- NX 1872
- NX Drawings 1892
- Solid Edge 2020
- Solid Edge Drawings 2020
- SolidWorks Drawings 2020
- Font recognition and multiple font substitution for drawings #4752
- Colors for e57 point clouds
- API: 2D callout projection

Enhancements:

- Added hierarchically merge mode in ribbon Model
- Import setting ignore views by name now considers wildcard (*)
- Added support for more CATIA attributes types #5312
- Added version number to title bar
- Improve e57 point cloud import #5275
- Support of additional fonts in drawings #2804 #5024
- STEP AP242: Export of markups #5014
- Filter renamed to Search (ribbon Tools)
- Added Search option: Case sensitive #3996
- Added Search option to find content of markups/PMIs
- New options for wire coloring of solids #3371

Fixes:

- Improved display of Solid Edge drawings #2408
- Convert specific CATPart to Parasolid #2669 #4746
- Wrong PDF extents #4403
- 3DXML with many structure levels causes slow import #4435
- STEP AP242 export with tessellation only #4775
- Changing boundary conditions while a transformation tool is active #5078
- 3D-PDF: Export markups #5154
- SVG exports only visible #5177
- API: File open crash #5268
- User folder in hidden network share is supported #5270
- Render materials #5314
- Incorrect placement of dimensions with activated coordinate system #5319
- VSXML: Correct display of markups and callouts #5340
- Save correct scaling of merged objects #5374
- Camera alignment in Flythrough mode #5414
- 3DVS: Load model as saved #5422
- KAS: Conversion fails #5475

Version:	2019.1.53
Release date:	2019-12-19

Enhancements:

- Added new search options to the neighborhood search:
  - Box
  - Linear distance

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Version:	2019.1.53

Fixes:

- Export only visible geometries for vector graphics #5177
- Problems with opening CATIA data fixed #5206
- Instancing of geometries caused issues #5133

Version:	2019.0.721	Recommended Version

Release date: 2020-02-17

Fixes:

- Hotfix for 2019.0.720: Windows 7 support

Version:	2019.0.720	Recommended Version

Release date: 2020-02-11

New:

- New Redistributables 2019 added to the setup. Installation is required.
- NX 1872
- NX Drawings 1892
- Solid Edge 2020
- Solid Edge Drawings 2020
- SolidWorks Drawings 2020

Fixes:

- Improved display of Solid Edge Drawings #2408
- Convert specific CATPart to Parasolid #2669 #4746
- 3DXML: Many structure levels causes slow import #4435
- STEP AP242 export with tessellation only #4775
- SVG exports only visible #5177
- API: File open crash #5268
- User folder in hidden network share is supported #5270
- Incorrect placement of dimensions with activated coordinate system #5319

Version:	2019.0.715	Recommended Version

Release date: 2019-11-25

Fixes:

- Instancing of geometries caused issues #5133, #5121
- CATDrawing: Line breaks are ignored #4925

Version:	2019.0.677	Recommended Version

Release date: 2019-10-16

New:

- UI change: Add 2D and 3D export buttons (screenshots and exchange formats).
- Setting for default 3D export format (instead of last used)
- CATDrawing: R29 (V5-6R2019)
- Creo Drawing: 6.0
- NX Drawing: NX 1872 Series until 1884
- SolidEdge Drawings 2019
- Solidworks Drawings 2019

Enhancements:

- Automatic backup of settings before manual reset to defaults

Fixes:

- 3D PDF: Problem with template "Toplevel" #3168
- CATDrawing: Missing text #3837
- CATDrawing: Line width correctly rendered #2460
- CATDrawing: Loading problem #3764
- CATDrawing: Missing line breaks #4925
- IFC: Import with instancing #5043
- SolidWorks & SolidEdge Drawings: Loading problem #4077
- STEP: Wrong transformation #4774
- Section: Rendering problems #4947 #4168
- JT: PMI visibility in views #5013

Version:	2019.0.609	Recommended Version

Release date: 2019-08-27

New:

- Export progressbar
- CATIA V5-6 R2019 (R29)

Enhancements:

- Ribbon layout change without restart of application
- Wallthickness heatmap: Default preset set to **ROLLING BALL BASED - DETAILED**
- 2D: Consideration of line width
- FBX: Export of colors & transparencies improved
- Minimal bounding box: quick & precise calculation
- Performance of VSXML with referenced 3DVS files improved

Fixes:

- Administrate server button #4613
- BOM: handling of attributes #4677
- BOM: Export to CSV when using Japanese & Korean language #4770
- Transformation of coordinate systems #4704
- 2D: Symbols in fonts #4494

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Version:	2019.0.609	Recommended Version

- 2D: File handle not closed #3239
- 2D: SolidWorks & SolidEdge Drawings #4077
- 3DVS: PMIs missing #4783
- CATDrawing: Viewing problem #3764
- Standby mode of graphic card #4756

Version:	2019.0.529

Release date: 2019-07-12

New:

- New option for axis aligned camera control
- CREO 6
- Inventor 2020
- NX (v1847)
- Parasolid v31.1

Enhancements:

- TechDoc: Ribbon menu improved
- TechDoc: Automatic association of renamed callout IDs
- Changing the interface design via the settings menu
- Inventor: Support of representations

Fixes:

- CREO: Import not possible #4622
- DWG: Import not possible #3640
- GTL: Imported as text file #4576
- Inventor: False transformation #2270 + #3105
- JT 10.3: Import not possible #4602
- JT: Missing PMI text #4124
- JT: With materials leads to false transparency #4344
- NX: Incorrect display of surfaces #3217
- NX: Missing faces in exact compare #3860
- STEP: Bad representation of letters #3879
- BOM based on selection #4358
- CATDrawing: Loading from folders with umlauts #4293
- Text search with Japanese characters #4324
- Licensing: lock-file problem with network licenses #2965
- Minimal bounding box with activated coordinate system #4260

Version:	2019.0.420

Release date: 2019-04-25

New:

- TechDoc: Text markup with fixed position in viewport

Fixes:

Version:	2019.0.420

- NX files could not be opened #3441 #4189 #3516
- GLTF: Transparency wrong #3700
- STEP could not be opened #3885
- SolidEdge: Wrong attributes #1993
- GLB: Could not be opened #3886
- KAS license error #2826
- No surface area could be calculated from projected areas #3613
- Incorrect selection of points #3931
- Font substitution does not work #4256
- SWX: Import very slow with prefer tessellation #4257
- 3DVS from 2019.0 crashes 2018.0 #4262
- CREO: Tessellation error open shells #4277
- Attributes are not read in correctly #1993
- White background in drawing ensures that font is not visible #2811

Version:	2019.0.383
Release date:	2019-04-09

Enhancements:

- PLMXML-Setting:
- interpret all transformations as global transformations

Fixes:

- Pickray causes crash #3844
- SolidWorks: Transformations wrong #4166
- Custom presets.xml suppresses the import dialog #4237
- STPX: Transformations wrong #3791

Version:	2019.0.340
Release date:	2019-03-21

New:

- Kisters Automation Server (KAS) can convert to 2D vector files #3699
- ActiveX:
  - o   Added: HasCustomRibbonButton
  - o   Added: RemoveCustomRibbonButton

Enhancements:

- Added settings to influence CATIA Show/NoShow behavior #3499
- Replace Java license monitor tool for floating licenses with a .NET application

Fixes:

- Issue with SingleInstance and file import into open scene #4205
- Density presets are not displayed #4025
- KAS: Convert drawing to 3DVS/PDF was not possible #3471
- Updater reports "No updates" if connection to update server not possible #3538

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Version:	2019.0.340

- SolidWorks: Assembly could not be loaded #3950

Version:	2019.0.232

Release date:	2019-01-31

New:

- Transform: Move from circle center to circle center
- Importable format: e57
- Selection mode: Instance
- STEP: Import-Setting to select NAUO #2487
- Change colors of coordinate system #3933
- Turntable camera control
- Technical documentation (TECHDOC license option required)
- Split solids (ADVANCED_ANALYSIS license option required)
- Remove/Generate normals
- Change PMIs on import with width-/height factor
- Tutorial update

Enhancements:

- Filter: Setting to include/exclude hidden objects
- Filter: Search of hexadecimal and RGB colors #3777
- Export PNG with transparent background
- Configurable date for PDF templates #3619
- License borrowing dialogue: Features can be borrowed individually
- Improved 2D text search
- Improved representation of floating point values in attributes #3849
- Improved representation of PMIs #3940

Fixes:

- Improved printing on very large paper sizes #3715
- Solved problem with line breaks in about dialog #3712
- VSXML Import: Colors are inherited correctly #3744
- Solved issue with PLMXML import #3353
- Error messages from updater improved #3583
- Exact compare: colors swapped #3748
- Exact comparison of selections #3934
- 3DVS: Improved accuracy of transformations #3966
- Removing temporary files #3694
- False visibility after use of UNDO #3701
- Change colors of edges #3371
- ActiveX: Fix issue with OnMouseEnter event #3836

Version:	2018.0.365	Recommended Version

Release date:	2019-05-20

- Font replacement #4256
- NX files could not be opened #3441 #4189
- SolidEdge: Wrong attributes #1993

Version:	2018.0.365	Recommended Version

- STEP could not be opened #3885

Version:	2018.0.360	Recommended Version

Release date: 2019-02-08

New:

- Importer update:
- JT Import 10.2
- Parasolid V31
- Solid Edge 2019
- SolidWorks 2019
- 3D-PDF-Export: Templates with customizable date format #3619

Fixes:

- SVG/DXF export of cut geometry fixed #3987
- NX drawing issues #2702, #3222
- CATDrawing tables presentation #3469
- Colors corrected in exact comparison #3748
- Increased accuracy of transformations #3966
- Improved undo #3701
- Reload nodes #3765
- Export hull geometry / wire recognition #3972

Version:	2018.0.350	Recommended Version

Release date: 2018-12-06

New:

- New method for ActiveX-Contol: SetKeepAlive
- Can be used to prevent closing of the 3DViewStation instance e.g. when Terminate() is called.

Enhancements:

- Improved Japanese UI translations
- Update of German and English tutorial

Fixes:

- Crash when printing on very large paper sizes #3715
- Issues with the display of Inventor assemblies solved #3262

Version:	2018.0.342	Recommended Version

Release date: 2018-11-13

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Version:	2018.0.342	Recommended Version

New:

- Type floating license only: Update of LicServerClient-Java-Tool for floating server administration/usage statistics
  -> current version of floating server software recommended

Enhancements:

- Improved Japanese UI translations
- Update of German tutorial

Fixes:

- Automatic recognition of markup fonts
- Uninstaller removes all installation files
- Type activation license only: Installation of needed Microsoft redistributables

Version:	2018.0.333	Recommended Version

Release date: 2018-10-11

New:

- Import dialog / Import presets
- Recognition of drill holes
- Optimize instances - results in file size reduction
- Save views separate from geometries
- Load views independent from i.e. revised geometries
- Remove edges of geometries, i.e. due to bad quality
- Re-calculate edges of geometries, i.e. to allow measurements
- Calculation of neutral axis of piping objects
- Scale geometry
- Measure face without need to extract face first
- Real time wall thickness measurement
- Skybox creator
- Wall thickness analysis color gradated, i.e. multi selection
- Mirroring of geometries with more options

Enhancements:

- Improved UI translations
- Direct page access for multi-page 2D documents

Fixes:

- Visualization of background images #3595

Version:	2018.0.319

Release date: 2018-09-18

New:

Version:	2018.0.319

- Context menu for each scene tab

Enhancements:

- Print dialog is resizable #3363
- Fullscreen can be exited via Escape (and F11)

Fixes:

- Solved problem when importing STEP data #3260
- Import dialog: focus issue #3457
- Solved problems with PDF Templates #3424 #3464
- ActiveX: AddContextMenuItem treats passed IDs wrong #3455
- Solved problem with display of diameter symbol #3472
- Solved problem with an old 3DVS file #3534
- Problem with Parasolid NodeNameTemplates solved #3536

Version:	2018.0.310

Release date:	2018-08-17

New:

- Import dialog: choose between different setting presets, thus leading to different load time and quality
- Inventor 2019 file format support

Enhancements:

- Neutral axis can now also be applied to tessellation and BREP data
- Drill hole improvements
- 2D root nodes now contain the name of the opened 2D file #3385
- Wallthickness Heatmap unit is available #1950
- New export setting to replace original file extension #3300

Fixes:

- 3DPDF: opening the 3D scene on Windows 7 systems #3144
- 3DPDF: containing U3D #3435
- OpenFile via renderer extension #3338
- PLMXML: Colors are displayed incorrectly #3319
- Bounding box world markup positioning issue #3296
- VSXML pathes with umlauts #3332
- DWG file is displayed as a white sheet #3410
- Splashscreen fix #3330
- Compare of multipage documents #3415

Version:	2018.0.212

Release date:	2018-07-18

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Version:	2018.0.212

New:

- Remove empty nodes
- Print dialog: Print range
- Autorotate document
- Tiled printing
- Convert dialog: IFC and FBX added
- Measurement of circle area
- CMD implementation for the quick and exact compare

Enhancements:

- Setup: Teamviewer is now an optional parameter during silent installation (see corresponding documentation)
- Support for tessellated PMI STEP AP242
- Selection frame now also works for:
  - o Wires
  - o Curves
  - o Points
  - o Annotations
- Improve ActiveX control

Version:	2018.0.95

Release date:	2018-06-07

New:

- JavaScript support for 3D-PDF export (see corresponding documentation)

Export 3D:

- IFC

Fixes:

- ActiveX connection problem

Version:	2018.0.77

Release date:	2018-05-30

Enhancements:

- Menu icon for Readme and File Format List in the help category
- Menu icon for SkyBoxCreator in the tools area with which skyboxes can be generated

Fixes:

Version:	2018.0.77

- CatiaV5 Import Problems #2718

Version:	2018.0.57

Release date: 2018-05-17

New:

- Import 2D Advanced
  - o Catia V6 / 3DExperience R2017
  - o Support for NX Expression
- Measuring function: Dimension surfaces
- Optional monochrome import for 2D advanced formats
- Mirror geometry over world coordinate system and active coordinate system
- Import and export views via XML file

Enhancements:

- Improved computation speed of world bounding box
- Enhanced line generation

Fixes:

- RGB colors could not be changed #2884
- PDF export generates darker preview images than previous versions #3078