

# Versionsinfo (Release Notes)

## Current Version

Receives continuous updates and new features. Update interval frequently.

<b>Version:</b>	2021.0.95					
<b>Release date:</b>	2021-05-10					
		Desktop	WebViewer	VisShare	VR-Editon	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 points, curves, faces and loops possible #6755 #6823 #6815 #6832 #6806 #6819 #6820
- Offset lines are now removable (by GUI and API) #6705
- 3D-Markups: Variables as well as 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

<b>Version:</b>	2021.0.95					
<b>Release date:</b>	2021-05-10					
		Desktop	WebViewer	VisShare	VR-Editition	Automation Server

- Markup creation stability improved #6600
 

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- SolidEdge: Position of some lines were not correct #6345
 

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- PLMXML: Sequence number added to attributes #3799
 

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- XML-API:
  - Fly mode rework #6589 #6770
 

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  - Distance controllable camera alignment in fly mode
  - Align horizon in fly mode
  - Undo function includes node properties
- 2D-DWG: performance improved #6808
 

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- 2D-DWG: PDF export resulted in empty scene in Adobe Acrobat Reader #6695
 

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- 2D Compare improved #6552 #3436
 

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- 3D-PDF: Stability of PMI handling improved #6522
 

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- Print dialog: Scale setting improved #6595
 

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- CATIA: Missing PMI text in rare cases #6848
 

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- CATIA: PMI alignment improved #6768
 

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- SolidWorks: Structure tree optimized #5918
 

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- Stability of drag&drop file import improved #6799
 

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**Previous Version**

Contains the latest import and export interfaces. Receives only necessary updates.

<b>Version:</b>	2020.1.410	<b>Recommended Version</b>				
<b>Release date:</b>	2021-01-14	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

<b>New:</b>	<ul style="list-style-type: none"> <li>▪ <b>IMPORTANT:</b> Network licensing (Floating) requires license server version 4.9.22 or higher</li> <li>▪ Import 3D                             <ul style="list-style-type: none"> <li>○ SolidWorks 2021</li> </ul> </li> <li>▪ Import 2D                             <ul style="list-style-type: none"> <li>○ CATIA V6 / 3DExperience R2021x</li> <li>○ NX: 1938, 1942 and 1946</li> <li>○ Solid Edge 2021</li> <li>○ SolidWorks 2021</li> </ul> </li> </ul>	●	●	●	●	●
<b>Fixes:</b>	<ul style="list-style-type: none"> <li>▪ Unattended installation: Desktop icons were not created in some cases #6511</li> <li>▪ Minimal bounding box: Wrong orientation #6504</li> <li>▪ SolidWorks: EPM vault storage files can't be opened #6481</li> </ul>	●	●	●	●	●

▼ Full Version History

<b>Version:</b>	2021.0.95					
<b>Release date:</b>	2021-05-10					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

**New:**

- **IMPORTANT:**
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  - 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
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  - 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 points, curves, faces and loops possible #6755 #6823 #6815 #6832 #6806 #6819 #6820
- Offset lines are now removable (by GUI and API) #6705
- 3D-Markups: Variables as well as 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

<b>Version:</b>	2021.0.95					
<b>Release date:</b>	2021-05-10					
		Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- 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 ● ● ● ● ●
- SolidWorks: Structure tree optimized #5918 ● ● ● ● ●
- Stability of drag&drop file import improved #6799 ●

<b>Version:</b>	2021.0.6					
<b>Release date:</b>	2021-02-26					
		Desktop	WebViewer	VisShare	VR-Editon	Automation Server

**New:**

- **IMPORTANT:**
  - Network licensing (Floating) requires license server version 4.9.22 or higher
  - New 3DVS format V17. 3DVS files exported with this version are not compatible with older versions of 3DViewStation
- Import 3D
  - 3D Manufacturing Format (3MF) 1.2.3
  - MineCraft
  - Revit 2021
  - Solid Edge 2021
- Export 3D
  - 3DVS V17
  - MineCraft
  - WaveFront OBJ
- Import 2D
  - SVG
- 2D: Transformations available
- Align camera vertical to a face
- BOM: Configuration of shown attributes
- 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

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

- 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 ●
- 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 ●

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

- 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 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 ● ● ● ● ●



<b>Version:</b>	2021.0.6				
<b>Release date:</b>	2021-02-26				
	Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- 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 ● ● ● ● ●

<b>Version:</b>	2020.1.410	<b>Recommended Version</b>				
<b>Release date:</b>	2021-01-14	Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- New:**
- **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.22 or higher ● ● ● ● ●
  - Import 3D
    - SolidWorks 2021 ● ● ● ● ●
  - Import 2D
    - CATIA V6 / 3DEXperience R2021x ● ● ● ● ●
    - NX: 1938, 1942 and 1946 ● ● ● ● ●
    - Solid Edge 2021 ● ● ● ● ●
    - SolidWorks 2021 ● ● ● ● ●
- Fixes:**
- Unattended installation: Desktop icons were not created in some cases #6511 ● ● ● ● ●
  - Minimal bounding box: Wrong orientation #6504 ● ● ● ● ●

<b>Version:</b>	2020.1.410	<b>Recommended Version</b>				
<b>Release date:</b>	2021-01-14	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- SolidWorks: EPM vault storage files can't be opened #6481 ● ● ● ● ●

<b>Version:</b>	2020.1.395	<b>Recommended Version</b>				
<b>Release date:</b>	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 ●

<b>Version:</b>	2020.1.385	<b>Recommended Version</b>				
<b>Release date:</b>	2020-10-20	Desktop	WebViewer	VisShare	VR-Editon	Automation Server

**New:**

- **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher
 

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- Minimum system requirements changed
 

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- **NEW SETUP WIZARD:**
  - Includes all KISTERS 3DViewStation products
  - Revised comfortable user guidance
  - Optimised software distribution for desktop products

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- **HELPCENTER:** Online knowledge base for end users and administrators. Offline fallback included.
 

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- Import 3D
  - ACIS 2020
  - CATIA V5-2020
  - Creo 7.0
  - JT 10.3
  - Inventor 2021
  - NX 1926

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- Export 3D
  - JT 8.1, 9.5 & 10.0 selectable by dropdown menu

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- Import 2D
  - CATIA V6 / 3DExperience R2020x
  - ProE / Creo Parametric 7.0
  - NX: 1911, 1915, 1919, 1926, 1930, 1934

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- VSXML: Performance improvements #5388
 

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- MicroStation .DGN format support discontinued
 

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- **DISTANCE AND BAND ANALYSIS TOOL**

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- **MEASUREMENT OF THE TOTAL / CUMULATED LENGTH** for tool path (laser, CNC, welding)
 

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- **MEASUREMENT - ANGLE:** Line to line (projected)
 

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- **MEASUREMENT - SOLID TO SOLID:** Performance improved
 

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<b>Version:</b>	2020.1.385	<b>Recommended Version</b>				
<b>Release date:</b>	2020-10-20	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- **EXPLODE:**
  - On selections
  - 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:**
  - Button in settings pane to open the FontSubstitution.csv
  - 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:
  - The output window is now managed per scene
  - The new tab "General" contains feedback on network licensing
  - New Setting: Enhanced loading statistics (progress tab)
- Setting to change the log level
- JT: Import setting for (quality) level of tessellation

<b>Version:</b>	2020.1.385	<b>Recommended Version</b>				
<b>Release date:</b>	2020-10-20	Desktop	WebViewer	VisShare	VR-Edition	Automation Server

- 2D: Enhanced zoom level
 

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- PDF: Support of embedded JT files
 

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- Fixes:**
  - Physical Properties: Wrong volume calculation in native CAD models #6276
 

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  - PLMXML / VSXML: Import progress status information #5767
 

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  - SolidWorks SpeedPak: Assembly couldn't be imported #4950
 

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  - SolidWorks: Improved loading performance #6261
 

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  - SolidWorks: Assembly didn't load with 'Prefer BREP'
 

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  - Structure tree: Vertical scrollbar disappeared after Drag and Drop #5603
 

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

- New:**
  - **IMPORTANT:** Network licensing (Floating) requires license server version 4.9.20 or higher.
 

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  - Minimum system requirements changed.
 

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

- **NEW SETUP WIZARD:**
  - Includes all KISTERS 3DViewStation products.
  - Revised comfortable user guidance.
  - Optimised software 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

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

**New:**

- **IMPORTANT:**
- Network licensing (Floating) requires license server version 4.9.20 or higher.

<b>Version:</b>	2020.1.298				
<b>Release date:</b>	2020-08-26				
	Desktop	WebViewer	VisShare	VR-Editio	Automation Server

- Minimum system requirements changed. ●
  
- **NEW SETUP WIZARD:**
  - Includes all KISTERS 3DViewStation products. ●
  - Revised comfortable user guidance. ●
  - Optimized software distribution for desktop products. ●
  
- **HELPCENTER:** Online knowledge base for end users and administrators. Offline fallback included. ●
  
- Import 3D
  - ACIS 2020 ●
  - CATIA V5-2020 ●
  - Creo 7.0 ●
  - JT 10.3 ●
  - Inventor 2021 ●
  
- Import 2D
  - CATIA V6 / 3DExperience R2020x ●
  - ProE / Creo Parametric 7.0 ●
  - 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:**
  - On selections ●
  - Restriction to certain directions ●
  
- **VIEWS** can be conveniently exported as PNGs or, including the physical properties, as PDF. ●
  
- Catia: Setting to import only the captures (without views) #5700. ●

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

- Setting to hide the rotation mouse pointer. ● ● ●
- 2D: Calibration added #5692. ● ●
- Save as 3DVS-format. ●
- **FONT SUBSTITUTION:** ●
  - Button in settings pane to open the FontSubstitution.csv.
  - 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: ●
  - The output window is now managed per scene.
  - The new tab "General" contains feedback on network licensing.
  - 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. ● ● ● ● ●
- **NEIGHBORHOOD SEARCH:** Stability improvements #6012. ● ● ● ●



<b>Version:</b>	2020.1.298				
<b>Release date:</b>	2020-08-26				
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| ▪ <b>WALLTHICKNESS HEATMAP:</b> Wrong results with ray method in rare cases #5678. | ● | ● | ● | ● | ● |
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| ▪ <b>CIRCLE DETECTION:</b> Failed in rare cases #5815. | ● | ● | ● | ● |  |
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| ▪ 3DVS: Problem when loading very large models in the Webviewer. |  | ● |  |  |  |
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| ▪ Creo: Section over more than one structure level #756. | ● | ● | ● | ● | ● |
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| ▪ 2D Drawings: Markups were displayed on all pages #4880. | ● | ● | ● |  | ● |
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| ▪ 2D DXF: Missing lines in rare situations #5528 #5645 #5909. | ● | ● | ● |  | ● |
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| ▪ 2D DXF: Wrong scaling in rare cases #5537. | ● | ● | ● |  | ● |
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| ▪ FBX export: Surfaces sometimes had wrong colors #4537. | ● | ● | ● | ● | ● |
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| ▪ IFC: Lines caused an empty scene in rare cases #5901. | ● | ● | ● | ● | ● |
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| ▪ JT: Convert from 3DVS not possible in rare cases #5176. | ● | ● | ● |  | ● |
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| ▪ NX: Missing attributes in 'No category' #3728. | ● | ● | ● |  | ● |
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| ▪ STEP: Attributes with \$ characters weren't shown correctly #5627. | ● | ● | ● |  | ● |
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| ▪ STEP: PMIs were transparent #5006. | ● | ● | ● | ● | ● |
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| ▪ SVG export: Node color was ignored when a vertex color was set #5777. | ● | ● | ● |  | ● |
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|--------------------------------------|---|---|---|---|---|
| ▪ 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. | ● | ● | ● | ● | ● |
|--------------------------------------------------------------------------------------------|---|---|---|---|---|

<b>Version:</b>	2020.0.40	Recommended Version
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**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

<b>Version:</b>	2020.0.29	Recommended Version
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**Release date:** 2020-04-15

**Fixes:**

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

<b>Version:</b>	2020.0.22	Recommended Version
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**Release date:** 2020-04-09

**New:**

- Import 3D
  - NX 1899
  - Revit 2020
  - Parasolid v32.0
- Import 2D
  - CATIA: V5-6R2020 (R30)
  - 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**
  - Added case sensitivity option #3996
  - Search for content in PMIs, markups and text
- Clash detection:
  - Intersection volume
  - Intersection curves
  - Penetration depth
  - Performance improvement
- **NEIGHBORHOOD SEARCH:**
  - Linear distance
  - Box trap
- Status bar with additional information
- **MERGE OBJECTS** in menu **MODEL**
- New UI designs (accessible via settings)

<b>Version:</b>	2020.0.22	<b>Recommended Version</b>
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- 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

<b>Version:</b>	2019.1.132
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**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

<b>Version:</b>	2019.1.126
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**Release date:** 2020-02-11

**New:**

- Update 3DVS format to version 15 (incompatible to 2019.0 and older)

<b>Version:</b>	2019.1.126
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- 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

<b>Version:</b>	2019.1.53
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**Release date:** 2019-12-19

**Enhancements:**

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

**Fixes:**

<b>Version:</b>	2019.1.53
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- Export only visible geometries for vector graphics #5177
- Problems with opening CATIA data fixed #5206
- Instancing of geometries caused issues #5133

<b>Version:</b>	2019.0.721	<b>Recommended Version</b>
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**Release date:** 2020-02-17

**Fixes:**

- Hotfix for 2019.0.720: Windows 7 support

<b>Version:</b>	2019.0.720	<b>Recommended Version</b>
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**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

<b>Version:</b>	2019.0.715	<b>Recommended Version</b>
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**Release date:** 2019-11-25

**Fixes:**

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

<b>Version:</b>	2019.0.677	<b>Recommended Version</b>
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**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

<b>Version:</b>	2019.0.609	<b>Recommended Version</b>
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**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

<b>Version:</b>	2019.0.609	Recommended Version
	<ul style="list-style-type: none"> <li>▪ 2D: File handle not closed #3239</li> <li>▪ 2D: SolidWorks &amp; SolidEdge Drawings #4077</li> <li>▪ 3DVS: PMIs missing #4783</li> <li>▪ CATDrawing: Viewing problem #3764</li> <li>▪ Standby mode of graphic card #4756</li> </ul>	

<b>Version:</b>	2019.0.529
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**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

<b>Version:</b>	2019.0.420
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**Release date:** 2019-04-25

**New:**

- TechDoc: Text markup with fixed position in viewport

**Fixes:**

<b>Version:</b>	2019.0.420
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- 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

<b>Version:</b>	2019.0.383
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**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

<b>Version:</b>	2019.0.340
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**Release date:** 2019-03-21

**New:**

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



<b>Version:</b>	2019.0.340
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- SolidWorks: Assembly could not be loaded #3950

<b>Version:</b>	2019.0.232
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**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

<b>Version:</b>	2018.0.365	<b>Recommended Version</b>
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**Release date:** 2019-05-20

- Font replacement #4256
- NX files could not be opened #3441 #4189
- SolidEdge: Wrong attributes #1993
- STEP could not be opened #3885

<b>Version:</b>	2018.0.360	<b>Recommended Version</b>
<b>Release date:</b>	2019-02-08	
<b>New:</b>	<ul style="list-style-type: none"> <li>▪ Importer update:</li> <li>▪ JT Import 10.2</li> <li>▪ Parasolid V31</li> <li>▪ Solid Edge 2019</li> <li>▪ SolidWorks 2019</li> <li>▪ 3D-PDF-Export: Templates with customizable date format #3619</li> </ul>	
<b>Fixes:</b>	<ul style="list-style-type: none"> <li>▪ SVG/DXF export of cut geometry fixed #3987</li> <li>▪ NX drawing issues #2702, #3222</li> <li>▪ CATDrawing tables presentation #3469</li> <li>▪ Colors corrected in exact comparison #3748</li> <li>▪ Increased accuracy of transformations #3966</li> <li>▪ Improved undo #3701</li> <li>▪ Reload nodes #3765</li> <li>▪ Export hull geometry / wire recognition #3972</li> </ul>	

<b>Version:</b>	2018.0.350	<b>Recommended Version</b>
<b>Release date:</b>	2018-12-06	
<b>New:</b>	<ul style="list-style-type: none"> <li>▪ New method for ActiveX-Contol: SetKeepAlive</li> <li>▪ Can be used to prevent closing of the 3DViewStation instance e.g. when Terminate() is called.</li> </ul>	
<b>Enhancements:</b>	<ul style="list-style-type: none"> <li>▪ Improved Japanese UI translations</li> <li>▪ Update of German and English tutorial</li> </ul>	
<b>Fixes:</b>	<ul style="list-style-type: none"> <li>▪ Crash when printing on very large paper sizes #3715</li> <li>▪ Issues with the display of Inventor assemblies solved #3262</li> </ul>	

<b>Version:</b>	2018.0.342	<b>Recommended Version</b>
<b>Release date:</b>	2018-11-13	
<b>New:</b>	<ul style="list-style-type: none"> <li>▪ Type floating license only: Update of LicServerClient-Java-Tool for floating server administration/usage statistics -&gt; current version of floating server software recommended</li> </ul>	

<b>Version:</b>	2018.0.342	<b>Recommended Version</b>
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**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

<b>Version:</b>	2018.0.333	<b>Recommended Version</b>
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**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

<b>Version:</b>	2018.0.319
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**Release date:** 2018-09-18

**New:**

- Context menu for each scene tab

**Enhancements:**

<b>Version:</b>	2018.0.319
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- 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: AddContextMenuItems 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

<b>Version:</b>	2018.0.310
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**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

<b>Version:</b>	2018.0.212
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**Release date:** 2018-07-18

**New:**

- Remove empty nodes
- Print dialog: Print range
- Autorotate document

<b>Version:</b>	2018.0.212
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- 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:
  - Wires
  - Curves
  - Points
  - Annotations
- Improve ActiveX control

<b>Version:</b>	2018.0.95
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**Release date:** 2018-06-07

**New:**

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

**Export 3D:**

- IFC

**Fixes:**

- ActiveX connection problem

<b>Version:</b>	2018.0.77
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**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:**

- CatiaV5 Import Problems #2718

<b>Version:</b>	2018.0.57
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**Release date:** 2018-05-17

**New:**

- Import 2D Advanced
  - Catia V6 / 3DExperience R2017
  - 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