

# KISTERS 3DViewStation Desktop

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The Kisters 3DViewStation is an extremely high performance 3D viewer, 3D CAD analysis & Digital Mockup (DMU) tool with modern Office compliant UI, which loads native and neutral CAD-data extremely fast. For integrations you can use our Desktop version as well as ActiveX version, which supports virtual product structures and provides graphical navigation capabilities for the visual enterprise.

With the current set of functions and features the 3DViewStation is the perfect tool for usage in sales, marketing, review processes, change management, work preparation and technical documentation on Windows desktops, notebooks and tablet-PCs. Use as a standalone app or integrated in PLM/PDM/ERP, and other systems.

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## Version: 2019.0 current release

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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

#### Fix:

- 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

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## **Version: 2019.0.609 Release date: 2019-08-27**

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### **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

### **Fix:**

- 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
- 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

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## **Version: 2019.0.529 Release date: 2019-07-12**

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### **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

## Fix:

- 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

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## Version: 2019.0.420 Release date: 2019-04-25

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## New:

- TechDoc: Text markup with fixed position in viewport

## Fix:

- 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
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## **Version: 2019.0.383 Release date: 2019-04-09**

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### **Enhancements:**

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

### **Fix:**

- Pickray causes crash #3844
  - SolidWorks: Transformations wrong #4166
  - Custom presets.xml suppresses the import dialog #4237
  - STPX: Transformations wrong #3791
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## **Version: 2019.0.340 Release date: 2019-03-21**

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### **New:**

- Kisters Automation Server (KAS) can convert to 2D vector files #3699 / #3471
- 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

### **Fix:**

- Issue with SingleInstance and file import into open scene #4205
- Density presets are not displayed #4025
- SolidWorks: Transformations were calculated incorrectly #4166
- KAS: Convert drawing to 3DVS/PDF was not possible #3471
- Updater reports "No updates" if connection to update server not possible #3538
- SolidWorks: Assembly could not be loaded #3950

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## Version: 2019.0.232 Release date: 2019-01-31

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### 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

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## Version: 2018.0.350 Release date: 2018-10-01

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### Enhancements:

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

### Fixes:

- Solved problem with some background images #3595
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## **Version: 2018.0.319 Release date: 2018-09-18**

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### **New:**

- Context menu for each scene tab
- Progressbar for loading 3DVS files

### **Enhancements:**

- Print dialogue 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
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## **Version: 2018.0.310 Release date: 2018-08-17**

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### **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
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## Version: 2018.0.212 Release date: 2018-07-18

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### New:

- Remove empty nodes
- Printdialog:
  - Print range
  - Autorotate document
  - Tiled printing
- Convert dialogue: 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
- Support for tessellated PMI STEP AP242
- Selection frame now also works for:
  - Wires
  - Curves
  - Points
  - Annotations
- Improve ActiveX control

### Fixes:

- Update the 2D Advanced licensed importers
  - CREO: drawing issues #1789
  - CATIA V4: issues with opening some .model files #1941
  - SLDDRW: issues with opening some files #3146
  - NX Drawing: issues with opening and wrong displaying #1845 #1972 #3279
- 3DPDF: issues with opening the 3D scene #3144
- CGM: Improved measuring accuracy #3282

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## Version: 2018.0.95 Release date: 2018-06-07

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### New:

- JavaScript support for 3D-PDF export

### Export 3D:

- IFC

### Fixes:

- ActiveX connection problem

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## Version: 2018.0.77 Release date: 2018-05-30

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## 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
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## Version: 2018.0.57 Release date: 2018-05-17

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### Import 2D Advanced:

- Catia V6 / 3DExperience R2017
- Support for NX Expression

## Enhancements:

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

## New:

- 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

## Fixes:

- RGB colors could not be changed #2884
  - PDF export generates darker preview images than previous versions #3078
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## 3DViewStation - Scenarios and Details:

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### High performance - your time is money

You need to be able to complete your tasks in a continuous flow, which is why we have ensured that the import interfaces with the various CAD systems function as quickly as possible. And now that 3DViewStation is available in a 64-bit version as well, all previous storage limits have gone out the window. Step on the gas pedal and utilize our internal data format whenever you need maximum performance.

### 70% of all users...

... look for an intuitive, easy to use application to load 3D CAD data quickly, and for options to measure, slice, and compare components and assemblies quickly and easily. We have done our best to ensure that your work with 3DViewStation is a real pleasure.

### Technical documentation and collaboration



Technology editors are always on the lookout for intuitive solutions to map and display products in various states. They need to hide or show parts, color parts, create exploded views. Using the 3DViewStation you simply export the result as an image and integrate it into your work- or assembly instruction. If you prefer communicating your data in 3D, then you will love the export capabilities of 3DViewStation to STEP or 3D PDF.

## Integration and automation

Geometries are often managed not just on the file system, but via ERP, PLM, or other data management systems (e.g. proprietary systems). Kisters 3DViewStation comes equipped with a comprehensive programming interface (API) to facilitate any kind of automation. It allows the loading and positioning of geometries, and the comparing or manipulating of their storage location. Via the API, Kisters 3DViewStation allows the coloring of parts, dynamic builds of structures (e.g. variants and configurations), and the querying of the position and attitude of parts or the forwarding of events to a guiding application, once a part is clicked - e.g. to then search for meta data in PLM or ERP.

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The KISTERS 3DViewStation is developed very close to customer requirements, available as Desktop and ActiveX product-version, 32-bit and 64-bit, shipping with a modern and intuitive Office 2010 compliant user-interface. The ActiveX integration component is intended to be used together with a PLM- or other management system. All file formats can be used in combination with the intelligent navigation- and hyperlinking features to address needs of complex integration scenarios. There are seat and floating licenses available.

KISTERS is a worldwide growing IT-company which has been founded in 1963 as an engineering agency. Its 500 employees develop resource management systems for energy, water and air, and information systems for the area of environment protection and safety. Professional competence and operational experience with more than 3000 customers and more than 150.000 installed licenses make KISTERS an internationally sought-after partner for software solutions.

One core focus of the IT-solution department is the development and sales of visualization solutions for CAD-data and documents including ECM and PLM integrations. To satisfy the various market requirements KISTERS offers solutions of several best-in-class vendors as well as own developments. Customers appreciate 20+ year experience in this area.

Contact: KISTERS AG <http://viewer.kisters.de> [sales-viewer@kisters.de](mailto:sales-viewer@kisters.de) <http://blog.kisters.de>  
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