

3DViewStation产品系列支持的格式

Information as per March 8th, 2024, valid for the latest build, subject to change without notice at any time

Import 3D

| | | | Desktop | WebView |
|---|------------------------------------|------------------------|------------------|------------------|
| Supported 3D File Formats | File Extension | Format Version | 3D all importers | 3D all importers |
| 3D-PDF | PDF | PRC, U3D | ● | ● |
| 3DViewStation | 3DVS, VSXML | | ● | ● |
| 3D Manufacturing Format | 3MF | 1.2.3 | ● | ● |
| ACIS | SAT, SAB | Up to 2023 | ● | ● |
| Autodesk 3DStudio | 3DS | | ● | ● |
| Autodesk AutoCAD Drawing | DWG | Up to AC1027 | ● | ● |
| Autodesk AutoCAD Drawing Interchange Format | DXF | | ● | ● |
| Autodesk Design Web Format | DWF, DWFX | | ● | ● |
| Autodesk Inventor | IPT, IAM | Up to 2024 | ● | ● |
| Autodesk Navisworks | NWD | 2012 to 2024 | ● | ● |
| Autodesk Revit | RVT, RFA | 2015 to 2024 | ● | ● |
| AVEVA RVM ¹ | RVM | | ● | ● |
| Bentley Microstation | DGN | 7 | ● | ● |
| CATIA V4 | MODEL, DLV, EXP, SESSION | Up to V4.2.5 | ● | ● |
| CATIA V5 | CATProduct, CATPart, CATShape, CGR | Up to V5-6 R2023 (R33) | ● | ● |

| | | | Desktop | WebViewer |
|--|-------------------------|--|------------------|------------------|
| Supported 3D File Formats | File Extension | Format Version | 3D all importers | 3D all importers |
| CATIA V6 / 3DExperience | 3DXML | Up to V5-6 R2019 (R29) | ● | ● |
| COLLADA | DAE | | ● | ● |
| CPIXML | CPIXML | | ● | ● |
| Creo (Pro/E) | PRT, XPR, ASM, XAS, NEU | Pro/Engineer 19.0 to Creo 10.0 | ● | ● |
| Filmbox | FBX | ASCII: all ; Binary: all | ● | ● |
| GL Transmission Format | GLTF, GLB | Version 2.0 only | ● | ● |
| I-deas | MF1, ARC, UNV, PKG | Up to 13.x (NX 5), NX I-deas 6 | ● | ● |
| IGES | IGS, IGES | 5.1, 5.2, 5.3 | ● | ● |
| Industry Foundation Classes | IFC | IFC 2x2, 2x3, 2x4 | ● | ● |
| JTOpen | JT | Up to v10.9 | ● | ● |
| LIDAR Point Cloud Data File ¹ | E57 | | ● | ● |
| MineCraft ² | NBT | | ● | ● |
| NX (Unigraphics) | PRT | UG11 to UG18, UG NX, NX5 to NX12, NX1847 to NX2306 | ● | ● |
| Parasolid | X_T, X_B, XMT, XMT_TXT | Up to v36.0 | ● | ● |
| PLMXML | PLMXML | | ● | ● |
| PRC | PRC | | ● | ● |
| Rhino3D | 3DM | 4 to 7 | ● | ● |
| Solid Edge | ASM, PAR, PWD, PSM | V1 to 20, ST1 - ST10, 2019 - 2024 | ● | ● |
| SolidWorks | SLDASM, SLDPRT | From 97 up to 2024 | ● | ● |

| | | | Desktop | | WebViewer | | |
|---------------------------|----------------|----------------------------|------------------|-----------------|------------------------------|------------------|---|
| Supported 3D File Formats | File Extension | Format Version | 3D all importers | | | 3D all importers | |
| | | | STEP Exchange | STP, STEP, STPZ | AP 203 E1/E2, AP 214, AP 242 | ● | ● |
| STEP/XML | STPX, STPXZ | | ● | ● | ● | ● | |
| Stereo Lithography | STL | | ● | ● | ● | ● | |
| Universal 3D | U3D | ECMA-363 (1. - 3. edition) | ● | ● | ● | ● | |
| USD ¹ | USD | | ● | ● | ● | ● | |
| VDA-FS | VDA | V1.0, V2.0 | ● | ● | ● | ● | |
| VRML | WRL, VRML | V1.0, V2.0 | ● | ● | ● | ● | |
| Wavefront OBJ | OBJ | | ● | ● | ● | ● | |

1) Provided on "As is" basis: KISTERS will neither support nor maintain these importers/exporters. Might be dropped at any time without notice (includes: KMZ, OneSpaceDesigner, Lattice3D, CAD-DS).

2) Only NBT files, which were created with 3DViewStation

Import 2D

| | | | Desktop | | | WebViewer | |
|-------------------------------------|----------------|----------------|----------|-------------|------------------|-------------|------------------|
| Supported 2D File Formats | File Extension | Format Version | 2D basic | | | 2D advanced | |
| | | | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| 2D-PDF | PDF | | ● | | ● | | ● |
| Autodesk Design Web Format | DWF, DWFx | | ● | | ● | | ● |
| Autodesk Drawing AutoCAD | DWG | Up to AC1027 | ● | | ● | | ● |
| Autodesk Drawing Interchange Format | DXF | | ● | | ● | | ● |

| Supported 2D File Formats | File Extension | Format Version | Desktop | | | WebViewer | |
|-----------------------------------|--------------------|--------------------------------------|----------|-------------|------------------|-------------|------------------|
| | | | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| Bentley Microstation ¹ | DGN | | ● | | ● | | ● |
| CALS | MIL | Type 1 | ● | | ● | | ● |
| Catia V4 Drawing | MODEL, DLV, EXP | 4.15 to 4.24 | | ● | | ● | |
| Catia V5 Drawing | CATDrawing | R10 to R32 (V5-6R2022) | | ● | | ● | |
| Catia V6 Drawing | 3DXML | R2010x to R2024x | | ● | | ● | |
| Computer Graphics Metafile | CGM | | ● | | ● | | ● |
| Creo / ProE Drawing | DRW | ProE 2000i to Creo 9.0 | | ● | | ● | |
| Gerber | GER | RS-274D, RS-274X, X2 | ● | | ● | | ● |
| Graphics Interchange Format | GIF | | ● | | ● | | ● |
| HP-GL | PLT | incl. HP-GL/2, KIPGL, HP-RTL | ● | | ● | | ● |
| JPEG | JPEG, JPG | | ● | | ● | | ● |
| JPEG2000 | JP2 | | ● | | ● | | ● |
| Microsoft Excel | XLS, XLSX | | ● | | ● | | ● |
| Microsoft Powerpoint | PPT, PPTX | | ● | | ● | | ● |
| Microsoft Word | DOC, DOCX | | ● | | ● | | ● |
| NX Drawing | PRT | NX to NX 2306 Series until 2306.7000 | | ● | | ● | |
| Open Office ¹ | ODG, ODP, ODS, ODT | | ● | | ● | | ● |
| Portable Network Graphics | PNG | | ● | | ● | | ● |
| SolidEdge Drawings | DFT | ST1 to 2024 | | ● | | ● | |
| Solidworks Drawing | SLDDRW | 2004 to 2024 | | ● | | ● | |

| Supported 2D File Formats | File Extension | Format Version | Desktop | | | WebViewer | |
|---------------------------|----------------|----------------|----------|-------------|------------------|-------------|------------------|
| | | | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| Scalable Vector Graphics | SVG | | ● | | ● | | ● |
| Tagged Image File Format | TIF, TIFF | | ● | | ● | | ● |
| Windows Bitmap | BMP | | ● | | ● | | ● |
| WebP | WEBP | | ● | | ● | | ● |

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Export 3D

| Supported 3D File Formats | File Extension | Format Version | Desktop | | WebViewer | |
|--|----------------|----------------|------------------|-----------|------------------|-----------|
| | | | 3D all importers | 3D export | 3D all importers | 3D export |
| 3D-PDF | PDF | PRC | | ● | | ● |
| 3D Manufacturing Format | 3MF | 1.2.3 | | ● | | ● |
| 3DViewStation | 3DVS, VSXML | | ● | ● | ● | ● |
| ACIS | SAT, SAB | 5.0 | | ● | | ● |
| Filmbox | FBX | Binary 7.5 | | ● | | ● |
| GL Transmission Format | GLTF, GLB | Version 2.0 | | ● | | ● |
| Industry Foundation Classes ¹ | IFC | | | ● | | ● |
| IGES | IGS, IGES | 5.1 | | ● | | ● |
| JTOpen | JT | 8.1, 9.5, 10.0 | | ● | | ● |
| MineCraft ¹ | NBT | | ● | ● | ● | ● |

| Supported 3D File Formats | File Extension | Format Version | Desktop | | WebViewer | |
|---------------------------|----------------|---------------------------------|------------------|-----------|------------------|-----------|
| | | | 3D all importers | 3D export | 3D all importers | 3D export |
| Parasolid | X_T | 12.1 | | ● | | ● |
| PRC | PRC | | | ● | | ● |
| STEP Exchange | STP, STEP | AP 203 E2, AP 214 E1, AP 242 E1 | | ● | | ● |
| Stereo Lithography | STL | | | ● | | ● |
| Universal 3D | U3D | ECMA-363 (1st and 3rd editions) | | | | |
| VRML | WRL, VRML | V2.0 | | ● | | ● |
| Wavefront OBJ | OBJ | | | ● | | ● |

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Export 2D

| Supported 2D File Formats | File Extension | Desktop | | | WebViewer | |
|---|----------------|----------|-------------|------------------|-------------|------------------|
| | | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| 2D-PDF | PDF | ● | ● | ● | ● | ● |
| 3DViewStation | 3DVS | ● | ● | ● | ● | ● |
| Autodesk Drawing Exchange Format ³ | DXF | ● | ● | ● | ● | ● |
| Computer Graphics Metafile ³ | CGM | ● | ● | ● | ● | ● |
| JPEG | JPG | ● | ● | ● | ● | ● |
| Portable Network Graphics | PNG | ● | ● | ● | ● | ● |
| Scalable Vector Graphics ³ | SVG | ● | ● | ● | ● | ● |

| | | Desktop | | | WebView | |
|---------------------------|----------------|----------|-------------|------------------|-------------|------------------|
| Supported 2D File Formats | File Extension | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| Windows Bitmap | BMP | ● | ● | ● | ● | ● |
| Windows Metafile | WMF | ● | ● | ● | ● | ● |

3) Only supported for 3D models.