

## Unterstützte Formate der 3DViewStation-Produktfamilie

Information as per April 8<sup>th</sup>, 2022, 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 2021 1.0                 | ●                | ●                |
| Autodesk 3DS               | 3DS                                |                                | ●                | ●                |
| Autodesk Design Web Format | DWF, DWFX                          |                                | ●                | ●                |
| Autodesk Inventor          | IPT, IAM                           | Up to 2022                     | ●                | ●                |
| CATIA V4                   | MODEL, DLV, EXP, SESSION           | Up to V4.2.5                   | ●                | ●                |
| CATIA V5                   | CATPRODUCT, CATPART, CATShape, CGR | Up to V5-6 R2021 (R31)         | ●                | ●                |
| 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 8.0  | ●                | ●                |
| 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 | ●                | ●                |

|  |                    |                              | Desktop          | WebViewer        |
|--|--------------------|------------------------------|------------------|------------------|
| Supported 3D File Formats                | File Extension     | Format Version               | 3D all importers | 3D all importers |
| IGES                                     | IGS, IGES          | 5.1, 5.2, 5.3                | ●                | ●                |
| Industry Foundation Classes              | IFC                | IFC 2x2, 2x3, 2x4            | ●                | ●                |
| JTOpen                                   | JT                 | Up to 10.5                   | ●                | ●                |
| LIDAR Point Cloud Data File <sup>1</sup> | E57                |                              | ●                | ●                |
| MineCraft <sup>2</sup>                   | NBT                |                              | ●                | ●                |
| NX (Unigraphics)                         | PRT                | UG v11.0 to v2007            | ●                | ●                |
| Parasolid                                | X_T, X_B           | Up to v34.0                  | ●                | ●                |
| PLMXML                                   | PLMXML             |                              | ●                | ●                |
| PRC                                      | PRC                |                              | ●                | ●                |
| Autodesk Revit                           | RVT, RFA           | 2015 to 2021                 | ●                | ●                |
| Rhino3D                                  | 3DM                | 4 - 7                        | ●                | ●                |
| Solid Edge                               | ASM, PAR, PWD, PSM | V19 - 20, ST - ST10, 2022    | ●                | ●                |
| SolidWorks                               | SLDASM, SLDPRT     | From 97 up to 2022           | ●                | ●                |
| 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)      | ●                | ●                |
| VDA-FS                                   | VDA                | V1.0, V2.0                   | ●                | ●                |
| VRML                                     | WRL, VRML          | V1.0, V2.0                   | ●                | ●                |
| Wavefront OBJ                            | OBJ                |                              | ●                | ●                |

<sup>1</sup> Provided on "As is" basis: KISTERS will neither support nor maintain these importers/exporters. Might be dropped at

any time without notice. Includes also i.e. CADDs, Calcomp, KMZ, Lattice XLV, Photoshop (Preview), OneSpace Designer (M16, 2008).

<sup>2</sup> Only NBT files, which were created with 3DViewStation

### Import 2D

| Supported 2D File Formats        | File Extension  | Format Version         | Desktop  |             |                  | WebViewer   |                  |
|----------------------------------|-----------------|------------------------|----------|-------------|------------------|-------------|------------------|
|                                  |                 |                        | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| 2D-PDF                           | PDF             |                        | ●        |             | ●                |             | ●                |
| Autodesk Design Web Format       | DWF             |                        | ●        |             | ●                |             | ●                |
| Autodesk Drawing                 | DWG             | Up to AC1027           | ●        |             | ●                |             | ●                |
| Autodesk Drawing Exchange Format | DXF             |                        | ●        |             | ●                |             | ●                |
| CALS                             | MIL             |                        | ●        |             | ●                |             | ●                |
| 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 R2021x       |          | ●           |                  | ●           |                  |
| Computer Graphics Metafile       | CGM             |                        | ●        |             | ●                |             | ●                |
| Creo / ProE Drawing              | DRW             | ProE 2000i to Creo 8.0 |          | ●           |                  | ●           |                  |
| Gerber                           | GER             |                        | ●        |             | ●                |             | ●                |
| Graphics Interchange Format      | GIF             |                        | ●        |             | ●                |             | ●                |
| HPGL                             | PLT             |                        | ●        |             | ●                |             | ●                |
| HPGL/2                           | PLT             |                        | ●        |             | ●                |             | ●                |
| JPEG                             | JPEG, JPG       |                        | ●        |             | ●                |             | ●                |
| JPEG2000                         | JP2             |                        | ●        |             | ●                |             | ●                |
| Microsoft Excel                  | XLS, XLSX       |                        | ●        |             | ●                |             | ●                |

|                           |                    |                                 | Desktop  |             |                  | WebViewer   |                  |
|---------------------------|--------------------|---------------------------------|----------|-------------|------------------|-------------|------------------|
| Supported 2D File Formats | File Extension     | Format Version                  | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| Microsoft Powerpoint      | PPT, PPTX          |                                 | ●        |             | ●                |             | ●                |
| Microsoft Word            | DOC, DOCX          |                                 | ●        |             | ●                |             | ●                |
| NX Drawing                | PRT                | NX to NX 1872 Series until 2015 |          | ●           |                  | ●           |                  |
| Open Office               | ODG, ODP, ODS, ODT |                                 | ●        |             | ●                |             | ●                |
| Portable Network Graphics | PNG                |                                 | ●        |             | ●                |             | ●                |
| SolidEdge Drawings        | DFT                | ST1 to 2022                     |          | ●           |                  | ●           |                  |
| Solidworks Drawing        | SLDDRW             | 2004 to 2022 (SP0)              |          | ●           |                  | ●           |                  |
| Scalable Vector Graphics  | SVG                |                                 | ●        |             | ●                |             | ●                |
| Tagged Image File Format  | TIF, TIFF          |                                 | ●        |             | ●                |             | ●                |
| Windows Bitmap            | BMP                |                                 | ●        |             | ●                |             | ●                |
| WebP                      | WEBP               |                                 | ●        |             | ●                |             | ●                |

## Export 3D

|                           |                |                | Desktop          |           | WebViewer        |           |
|---------------------------|----------------|----------------|------------------|-----------|------------------|-----------|
| Supported 3D File Formats | File Extension | Format Version | 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            |                  | ●         |                  | ●         |

| Supported 3D File Formats                | File Extension | Format Version                  | Desktop          |           | WebViewer        |           |
|--|----------------|---------------------------------|------------------|-----------|------------------|-----------|
|  |                |                                 | 3D all importers | 3D export | 3D all importers | 3D export |
| Filmbox                                  | FBX            | Binary 7.5                      |                  | ●         |                  | ●         |
| GL Transmission Format                   | GLTF, GLB      | Version 2.0                     |                  | ●         |                  | ●         |
| Industry Foundation Classes <sup>1</sup> | IFC            |                                 |                  | ●         |                  | ●         |
| IGES                                     | IGS, IGES      | 5.1                             |                  | ●         |                  | ●         |
| JTOpen                                   | JT             | 8.1, 9.5, 10.0                  |                  | ●         |                  | ●         |
| MineCraft <sup>1</sup>                   | NBT            |                                 | ●                | ●         | ●                | ●         |
| 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            | ●        | ●           | ●                | ●           | ●                |

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

<sup>3</sup> Only supported for 3D models.