

## Accepted 3D File Formats

| FILE EXTENSION | COMPANY         | FORMAT/ SOFTWARE                             |
|----------------|-----------------|--|
| 3DS            | Autodesk        | Autodesk 3D Studio                           |
| 3DXML          | Dassault        | CATIA6 Part and Assembly files               |
| ASC            | Autodesk        | Autodesk 3D Studio ASCII                     |
| ASE            | Autodesk        | Autodesk 3D Studio Max ASCII                 |
| ASM            | Dassault        | SolidWorks Assembly files                    |
| ASM            | PTC             | Pro/Engineer Assembly Files                  |
| ASM            | Siemens         | Solid Edge Assembly Files                    |
| CATDRAWING     | Dassault        | CATIA5 Drawing Files                         |
| CATPART        | Dassault        | CATIA5 Part Files                            |
| CATPRODUCT     | Dassault        | CATIA5 Assembly Files                        |
| CATSHAPE       | Dassault        | CATIA5 Part Files                            |
| CGR            | Dassault        | Catia Graphical Representation Files         |
| DAE            | Neutral         | Collada                                      |
| DFT            | Siemens         | Solid Edge Drawing Files                     |
| DGN            | Bentley         | Microstation CAD Graphic Files               |
| DLV            | Dassault        | CATIA4 Part files                            |
| DRW            | PTC             | Pro/Engineer Drawing Files                   |
| DWF            | AutoCAD         | AutoCAD Design Web Format                    |
| DWG            | AutoCAD         | AutoCAD Drawing Object                       |
| DXF            | AutoCAD         | AutoCAD Drawing Interchange                  |
| EOP            | EON Reality Inc | EON 3D Asset Format                          |
| EOZ            | EON Reality Inc | EON 3D Asset Format                          |
| EXP            | Dassault        | CATIA 4 Assembly Files                       |
| FBX            | Autodesk        | Autodesk FBX                                 |
| FLT            | Presagis        | OpenFlight Scene Description Database        |
| GLB            | Khronos Group   | Graphics Language Transmission Format Binary |
| GLTF           | Khronos Group   | Graphics Language Transmission Format + JSON |
| IAM            | Autodesk        | Inventor assembly files                      |
| IFC            | Neutral         | Industry Foundation Classes files            |
| IGES           | Neutral         | Iges Part and Assembly files                 |
| IGS            | Neutral         | Iges Part and Assembly files                 |
| IPT            | Autodesk        | Inventor Part Files                          |
| LW             | NewTek          | LightWave 3D and Binary Object               |
| LWO            | NewTek          | LightWave 3D and Binary Object               |
| LWS            | NewTek          | LightWave Scene                              |
| MAX            | Autodesk        | 3ds Max Scene File                           |
| MODEL          | Dassault        | CATIA4 Part files                            |
| NEU            | PTC             | Pro/Engineer Neutral Files                   |
| OBJ            | Neutral         | Wavefront Object                             |

|         |           |   |
|---------|-----------|---|
| PAR     | Siemens   | Solid Edge Part Files                   |
| PRJ     | Autodesk  | Autodesk 3D Studio project              |
| PRT     | PTC       | Pro/Engineer Part Files                 |
| PRT     | Siemens   | NX Parts and Assemblies                 |
| PSM     | Siemens   | Solid Edge Sheet Metal Part Files       |
| PWD     | Siemens   | Solid Edge Weldment Design Part Files   |
| RH      | SAP       | SAP Visual Enterprise Binary            |
| SAT     | Dassault  | ACIS Part and Assembly File             |
| SESSION | Dassault  | CATIA 4 Assembly Files                  |
| SKP     | Trimble   | SketchUp Document                       |
| SLDASM  | Dassault  | SolidWorks Assembly files               |
| SLDDRW  | Dassault  | SolidWorks Drawing files                |
| SLDPRT  | Dassault  | SolidWorks Part files                   |
| STEP    | Neutral   | Step Part and Assembly files            |
| STL     | Neutral   | Stereolithography File                  |
| STP     | Neutral   | Step Part and Assembly files            |
| STPZ    | Neutral   | Step Compressed Part and Assembly files |
| U3D     | Neutral   | Universal 3D Export                     |
| X       | Microsoft | DirectX Model                           |
| X_B     | Siemens   | Parasolid Part and Assembly files       |
| X_T     | Siemens   | Parasolid Part and Assembly files       |
| XAS     | PTC       | Pro/Engineer Assembly Files             |
| XPR     | PTC       | Pro/Engineer Part Files                 |
| XSI     | Softimage | SOFTIMAGE XSI                           |