IronCAD

Data
Collaboration
2025

Effortless Data Sharing

With IronCAD's Design Collaboration Suite, engineers communicate more freely. Dual ACIS and Parasolid kernels allow precise, error-free import and export of native SAT and X_T files as well as common file formats like IGES, CATIA V4, and STEP. Add the low-cost TRANS bundle and even access native formats geometry and graphcial representations such as CATIA V5/V6, Pro/E (Creo), UG/NX, SolidWorks, SolidEdge, JT, Revit, and Inventor.

Use IronCAD's Design Collaboration Suite to facilitate an open exchange of ideas and refine projects. Share work between designers in the office or customers in the field regardless of what CAD program they use. Take advantage in both IRONCAD and INOVATE to edit almost any imported files without recreating geometry by using direct face modeling or adding new intelligent 3D parts from standard component catalogs – a perfect fit for suppliers who work around other engineer's designs. IronCAD's Design Collaboration Suite has the most complete set of data translators to allow both faceted and solid geometry to interchange with all leading systems.

Explore additional capabilities on Imported geometry to meet design requirements. Polygonal formats can be converted to solid with planar and curved surface fitting and then modified as any other solid data on-demand. Automatic feature recognition can identify and create features on imported data. Supported feature types include blends, face-based IntelliShapes, extrude IntelliShapes with profile reconstruction and draft recognition.

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Data Exchange File Formats

IronCAD prides itself in offering the most comprehensive list of 2D and 3D CAD file formats for sharing your data with your extended team, vendors, and customers.

Format	Extension	IRONCAD Import	IRONCAD Export	INOVATE Import	INOVATE Export	DRAFT Import	DRAFT Export	COMPOSE Import	COMPOSE Export
3D PDF	.pdf		●		●		●		●
3D Studio	.prj, .3ds	●	●	●	●	●	●	●	●
ACIS	.sat	●	●	●	●	●	●	⊕	
ASAT	.asat	●	●	●	●	●	●	⊕	
AutoCAD 2D	.dxf, .dwg, .dwt	●	●	●		●	●	●	
AutoCAD 3D DXF	.dxf	●	●	●	●	●	●	●	●
CAXA	.exb	●	●	●	●	●	●	●	
CATIA V4	.model	●	●	●	●	●	●	●	
CATIA V5	.CATPart, .CATProduct, .cgi	⊕	⊕	⊕	⊕	⊕	⊕	⊕	
GLTF, GLB	.gltf, .glb		●		●		●	●	
HOOPS OOC	.ooc	●		●		●		●	
Hoops Stream	.hsf		●		●		●		●
IFC	.ifc	⊕		⊕		⊕		⊕	
IGES	.igs, .iges	●	●	●	●	●	●	●	
Inventor	.ipt, .iam	⊕		⊕		⊕		⊕	
IronCAD Configuration	.iccs	●	●	●		●	●	●	●
IronCAD Drawing	.icd	●	●	●		●	●	●	
IronCAD Mobile	.icsw		●		●		●		●
IronCAD Part	.ics, .ic3d	●	●	●	●	●	●	●	
JT	.jt	●		●		●		●	
PARASOLID	.x_t, xmt_txt	●	●	●	●	●	●	⊕	
Point Cloud	.pts, .ptx, .xyz	●		●		●		●	
POV-Ray 2.x	.pov		●		●		●		●
Pro/E (CREO)*	.prt, .asm	⊕		⊕		⊕		⊕	
Raw Triangles	.raw		●	●	●		●	●	●
Revit	.rvt, .rfa	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕
Rhinoceros	.3dm	⊕		⊕		⊕		⊕	
Romulus	.xmt	●		●		●	●	●	
SketchUp	.skp	●		●		●		●	
STEP AP203/214	.stp, .step	●	●	●	●	●	●	⊕	
Stereolithography	.stl, .sla	●	●	●	●	●	●	●	●
Solid Edge	.par, .asm, .psm	⊕		⊕		⊕		⊕	
SolidWorks	.sldpart, .sldasm, .slddrw, .prt, .asm	⊕		⊕		⊕		⊕	
Template	.tpl		●			●	●	●	
TriModel	.tmd	●		●		●		●	
Truespace	.scn, .cob	●		●		●		●	
UG	.prt	⊕		⊕		⊕		⊕	
Visual Basic	.bas		●		●		●		●
VRML	.wrl	●	●	●	●	●	●	●	●
Wavefront	.obj	●	●	●	●	●	●	●	●
YuanHui CLE	.cle		●		●		●		●

● Included with software

⊕ Requires the "TRANS" add-on

* Pro/E files Version 18 or older do not require the TRANS add-on.

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magnacad

Sales@magnacad.com
(631) 974.0677
magnacad.com