



IRONCAD TRANS

Translators & Data Sharing



IronCAD's Hyper-Operability™



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 such as CATIA V5, Pro/E Granite, UG/NX, SolidWorks, and Inventor.

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.

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

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.

IronCAD Design Collaboration Suite Add-on Translators:

IRONCAD-TRANS and **INOVATE-TRANS**. Native CAD translator to run alongside IRONCAD or INOVATE respectively, providing read/write capability for CATIA and also read capability for Pro-E, Unigraphics, Solidworks & Inventor. This will enable users to communicate effectively at all levels.

List Price: \$500.00



IRONCAD-TRANS & INOVATE-TRANS				
File Type	File Extension	File Version Support	Read	Write
CATIA®	.CATPart, .CATProduct	Read: R2-R22 Write: R6-R22	X	X
ProENGINEER (CREO)®	.prt, .prt.*, .asm, .asm.*	Up to Wildfire 5.0, CREO 2.0	X	
SOLIDWORKS®	.sldprt, .sldasm	Version 98 to 2012	X	
INVENTOR® Part	.ipt	R6-R11 and 2008-2012	X	
INVENTOR® Assembly	.iam	R11 and 2008-2012	X	
UGNX®	.prt	R11-R18 and NX-NX8	X	

DRAFT-TRANS. Native CAD translator to run with IRONCAD DRAFT, providing read capability for CATIA, Pro-E, Unigraphics, SolidWorks & Inventor. This delivers a very powerful, yet low cost solution for 2D users wishing to collaborate with 3D data.

List Price: \$300.00



DRAFT-TRANS				
File Type	File Extension	File Version Support	Read	Write
CATIA®	.CATPart, .CATProduct	Read: R2-R22 Write: R6-R22	X	
ProENGINEER (CREO)®	.prt, .prt.*, .asm, .asm.*	Up to Wildfire 5.0, CREO 2.0	X	
SOLIDWORKS®	.sldprt, .sldasm	Version 98 to 2012	X	
INVENTOR® Part	.ipt	R6-R11 and 2008-2012	X	
INVENTOR® Assembly	.iam	R11 and 2008-2012	X	
UGNX®	.prt	R11-R18 and NX-NX8	X	



IronCAD Design Collaboration Suite Add-on Translators:

COMPOSE TRANS. Native CAD translator to run with IRONCAD COMPOSE, providing read capability for ACIS, PARASOLID, IGES, STEP, CATIA, Pro-E, Unigraphics, SolidWorks & Inventor. This delivers a very powerful option for users wishing to collaborate with 3D data for viewing, rendering, animation, and configuration. Note: All imported data is 3D graphical data.

List Price: \$200.00



COMPOSE-TRANS				
File Type	File Extension	File Version Support	Read	Write
ACIS®	.sat	Read: R7-R21	X	
PARASOLID®	.x_t	Read: R11-R24	X	
IGES	.igs, .iges	Read: NA	X	
STEP	.stp, .step	Read: NA	X	
CATIA®	.CATPart, .CATProduct	Read: R2-R22 Write: R6-R22	X	
ProENGINEER (CREO)®	.prt, .prt.*, .asm, .asm.*	Up to Wildfire 5.0, CREO 2.0	X	
SOLIDWORKS®	.sldprt, .sldasm	Version 98 to 2012	X	
INVENTOR® Part	.ipt	R6-R11 and 2008-2012	X	
INVENTOR® Assembly	.iam	R11 and 2008-2012	X	
UGNX®	.prt	R11-R18 and NX-NX8	X	

IronCAD Design Collaboration Standard Formats:

IRONCAD Raster Images from ICD 2D Environment

File Type	Read	Write
Adobe Acrobat (*.pdf)		X
Encapsulated Post Script (*.eps)	X	X
GIF (*.gif)	X	X
JPEG (*.jpg)	X	X
PNG (*.png)	X	X
Tag Image (*.tif)	X	X
Targa (*.tga)	X	X
Windows Bitmap (*.bmp)	X	X
Zsoft Paintbrush (*.pcx)	X	X

IRONCAD-DRAFT 2D Data Formats/ Document Management

File Type	Read	Write
CAXA Draft (*.exb)	X	X
AutoCAD (*.dwg *.dxf)	X	X
WMF (*.wmf)	X	
DAT (*.dat)	X	
HPGL (*.plt *.prn)	X	
CAXA Draft Template (*.tpl)	X	X
IGES (*.igs)		X

IRONCAD-COMPOSE 2D Data Formats/Document Management

File Type	Read	Write
CAXA Draft (*.exb)	X	
IRONCAD ICD (*.icd)	X	
AutoCAD (*.dwg *.dxf)		
WMF (*.wmf)	X	
DAT (*.dat)	X	
HPGL (*.plt *.prn)	X	
CAXA Draft Template (*.tpl)	X	



IRONCAD™		INOVATE™		IRONCAD DRAFT™		IRONCAD COMPOSE™		3D CAD STANDARD FILE FORMATS	
R	W	R	W	R	W	R	W		
X	X	X	X	X	X	X	X		3D Studio (.3ds)
X	X	X	X	X					ACIS® R2.0 thru R21.0 (*.sat)
X	X	X	X	X					AutoCAD DXF (*.dxf)
X	X	X	X	X					CATIA V4 (*.model)
	X		X		X		X		Hoops Stream File (*.hsf)
X	X	X	X	X					IGS (*.igs, iges)
X	X	X	X	X	X	X			IronCAD (*.ics, *.icc)
X	X	X	X	X					Parasolid® R8.0 - R22.1 (*.x_t, *.xmt, *.txt)
	X		X		X		X		POV-Ray 2.x (*.pov)
X		X		X					Pro/Engineer pre- V2000 (*.prt, *.asm)
X		X		X		X			Raw (*.raw)
X		X		X		X			Romulus (*.xmt)
X	X	X	X	X					STEP AP203 / AP214 (*.stp, step)
X	X	X	X	X	X	X	X		Stereolithography (*.stl, *.sla)
X		X		X		X			TrueSpace (*.scn, *.cob)
	X		X		X		X		Visual Basic (*.bas)
X	X	X	X	X	X	X	X		VRML (*.wrl)
X	X	X	X	X	X	X	X		Wavefront (*.obj)
	X		X		X		X		3DPDF (.pdf)

IRONCAD™		INOVATE™		IRONCAD DRAFT™		IRONCAD COMPOSE™		2D CAD FILE FORMATS	
R	W	R	W	R	W	R	W		
X	X	X		X	X	X			AutoCAD R13- current (.dwg)
X	X	X		X	X	X			AutoCAD R13- current (.dxf)
X	X	X		X	X	X			IRONCAD-Draft (.exb)
X	X					X			IRONCAD (.icd)

IRONCAD™		INOVATE™		IRONCAD DRAFT™		IRONCAD COMPOSE™		DOCUMENT FORMATS	
R	W	R	W	R	W	R	W		
	X								Adobe Acrobat (.pdf)
	X		X		X		X		Adobe Acrobat - 3D PDF (.pdf)
	X		X		X		X		Universal 3D File (.u3d)
	X		X		X		X		Hoops Stream File (*.hsf)

IRONCAD™		INOVATE™		IRONCAD DRAFT™		IRONCAD COMPOSE™		ANIMATION FORMATS	
R	W	R	W	R	W	R	W		
	X		X		X		X		Animated GIF (.gif)
	X		X		X		X		AVI (.avi)

Raster Images

The IronCAD Design Collaboration Suite products have the ability in the base packages to read and write the following 3D raster images:

.EPS (raster) - GIF - JPEG - PNG - RTL - TIFF - TGA - BMP and PCX.

In addition all products can write the following formats;
OpenEXR (.exr), High Dynamic Range (.hdr, .pic) and Icon (.ico).

NOTES:

1.) Pro/Engineer add-on translator does not support export to Part (.prt) and Assembly (.asm) formats. IronCAD will read Pro/Engineer files up to version 2000 without the need for add-on translator.

2.) IRONCAD-DRAFT cannot read INOVATE (.ics) saved files but it can read them from IronCAD (.ics) saved files.

3.) Raster images can be inserted into the 3D environment through specific techniques.



www.ironcad.com