

## XVL Studio Corel Edition vs. XVL Studio 3D CAD Corel Edition Add-On Comparison

CorelDRAW® Technical Suite 2019 makes it easy to integrate 3D views and models into your technical illustrations with the included basic version of XVL Studio Corel Edition (formerly known as Lattice3D Studio).

For more powerful 3D CAD repurposing capabilities, the **XVL Studio 3D CAD Corel Edition Add-On** lets you perform more advanced 3D CAD visualization authoring, provides an automated update process, and gives you native 3D CAD, 3D exchange file format and advanced 3D PDF publishing support.

Find out which XVL Studio Corel Edition is right for your technical communication needs.

Features	XVL Studio Corel Edition	XVL Studio 3D CAD Corel Edition
	Included with CorelDRAW® Technical Suite 2019	Add-on to CorelDRAW® Technical Suite 2019
Open and import 3D files from 3DStudio (3DS), U3D (Adobe PDF) and VRML*	✓	✓
DXF and DWG file support*	✓	✓
IGES file format support*	✓	✓ ADVANCED!
Open/ import 3D PDF files for editing*		✓
Open and import native 3D CAD files (including CATIA, PTC Creo, NX, Inventor, SolidWorks and other formats)*		✓
STEP, ParaSolid, JT support*		✓
<b>ENHANCED!</b> Save 3D views and component positions as snapshots	✓	✓
<b>ENHANCED!</b> Cross sections	✓	✓
3D animation tools		✓
<b>ENHANCED!</b> Advanced process animation capabilities to generate step-by-step instructions		✓
<b>ENHANCED!</b> Assembly evaluation tools		✓
<b>ENHANCED!</b> 3D measurement tools		✓
<b>ENHANCED!</b> Automated update functionality for modified 3D CAD source files		✓
Vector illustration output with direct connection to Corel DESIGNER® for technical illustration	✓	✓ ADVANCED!
Thick/thin line output in vector illustration (Advanced includes customizable settings)	✓	✓ ADVANCED!
<b>ENHANCED!</b> Combined vector illustration and shaded view (bitmap rendering) output		✓
Output multiple snapshots as vector illustrations at once	✓	✓
Vector illustration output with direct connection to CorelDRAW® for creative design	✓	✓
Shaded view (bitmap rendering) output with direct connection to Corel PHOTO-PAINT® for photo editing	✓	✓
3D output (IGES, U3D, VRML and more)		✓
3D PDF output, including animations		✓
Enhanced 3D visualization tools through XVL Studio add-on options:		✓ **
Advanced 3D PDF output options with the "Process PDF Template" option for XVL Studio		OPTIONAL**
"Electrical Routing" option to add accurate electrical routing (including wires, cables, harnesses and connectors) in 3D		OPTIONAL**

\* For the full list of supported 3D and 3D CAD file formats and versions please see the following page.

\*\* XVL Studio options can be licensed separately for using additional functionality in XVL Studio 3D CAD Corel Edition 2019.

For more information, please [contact a Corel Sales representative](#).

## 3D model file formats supported with XVL Studio Corel Edition 2019

Included with CorelDRAW®  
Technical Suite 2019

3D File Format	File Extension	Supported Versions
3D Studio Scene (3DS)	3ds	Polygon models only
AutoCAD DWG	dwg	Polygon models only
DXF	dxf	Polygon models only
OBJ	obj	
Stereolithography file	stl	
Universal 3D	u3d	ECMA-363 (1st, 2nd & 3rd editions)
Virtual Reality Model language (VRML2)	wrl	
IGES	igs, iges	5.1, 5.2, 5.3

## 3D CAD file formats supported with XVL Studio 3D CAD Corel Edition 2019

Add-on to CorelDRAW®  
Technical Suite 2019

3D CAD System / File format	File Extension	Supported Versions
3D XML	3dxml	V5-6R2014 - V5-6R2018 (CATIA V5) 2011-2013x (CATIA V6)
Autodesk Inventor	ipt, iam	2017, 2018
CATIA Graphical Representation	cgr	V5-6R2014 - V5-6R2018
CATIA V4	model, session, dlv, exp	4.2.5
CATIA V5	CATProduct, CATPart	V5-6R2014 - V5-6R2018
NX I-deas	mf1, arc, unv, pkg	NX I-deas 6
IGES	igs, iges	5.1, 5.2, 5.3
Industry Foundation Classes	ifc	IFC2x Editions 2, 3, 4
JT	jt	6.4 – 10.0
NX (Siemens PLM Solutions)	prt	8.0, 8.5, 9.0, 10.0
Parasolid	x_t, x_b	Up to v30.1
PRC	prc	
PTC Creo Parametric	asm, neu, prt, xas, xpr	2.0 - 4.0
Solid Edge	asm, par, pwd, psm	ST10
SolidWorks	sldasm, sldprt	2017, 2018
STEP	stp, step	AP 203 E1/E2, AP 214, AP 242