

## Supported File Formats

The following tables summarize the document types supported by AutoVue solutions. These include technical document types such as 2-D/3-D Computer Aided Design (CAD) and Electronic Design Automation (EDA), as well as business documents such as Office and Graphics.

The tables are organized by the industries in which these document types are typically used. Each section is arranged by Vendor name, and by Product name or File format within each vendor section. For Desktop/Office, Graphics and Other document types which are used across all industries, please refer to these respective tables which appear after the industry sections.

For the most up-to-date version of this document, go to the AutoVue Documentation Web site on the Oracle Technology Network at <http://www.oracle.com/technetwork/documentation/autovue-091442.html>.

### Engineering & Construction / Energy / Utilities

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
<b>Autodesk</b>									
	AutoCAD	Drawing, Drawing Exchange	DWG, DXF	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000		✓	✓		✓
	AutoCAD	3-D	DWG	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000			2-D*	✓	✓
	AutoCAD	Drawing Binary Exchange	DXB	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000		†	✓		✓
	AutoCAD Mechanical 2-D/ Autodesk Mechanical Desktop 2-D	Drawing	DWG	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)		✓	✓		✓
	AutoCAD Mechanical 3-D/ Autodesk Mechanical Desktop 3-D	Part, Assembly	DWG	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)			✓		✓
	Autodesk DWF	Drawing	DWF	6.20, 6.11, 6.01, 2004, 5.5, 5		✓	✓		✓
	Autodesk DWF 3D	Part, Assembly	DWF	6.20, 6.11, 6.01			✓		✓
	Autodesk Inventor	Drawing	IDW	2012, 2011, 2010, 2009, 2008, 11, 10			✓		✓
	Autodesk Inventor	Part, Assembly	IPT, IDV, IAM, IDE	2012, 2011, 2010, 2009, 2008, 11, 10			✓		✓
	Revit‡	Drawing	DWG, DXF	2010, 2009, 2008		✓	✓		✓
	Revit†	3-D	DWF	2010, 2009, 2008		✓	✓		✓
<b>Bentley Systems</b>									
	MicroStation Drawing	Drawing	CEL, DGN	8i, 8 XM, 8.5, 8.1, 8, J, SE, 95, 5, 4		✓	✓		✓
	MicroStation Modeler	Drawing	DGN	8, 7.1, J, 7.0, PE, 95		✓	✓		✓
<b>Dassault Systems</b>									
	CATIA V4	Model, Export, Assembly, Session, Drawing	MODEL, EXP, ASM, SESSION	4R2.X, 4R1.X, 4.0			✓		✓
	CATIA V5	Part, Product, Drawing	CGR, CATPart, CATProduct, CATDrawing	5R17 to 5R20			✓		✓
	SolidWorks	Drawing	SLDDRW	2011, 2010, 2009, 2008, 2007, 2006		✓	✓		✓
	SolidWorks	Part, Assembly	SLDPRT, SLDASM	2011, 2010, 2009, 2008, 2007, 2006			✓		✓
<b>Intergraph</b>									
	SmartSketch	Drawing	IGR	2009, 2007, 5, 4		✓	✓		✓

\* AutoVue 2D Professional displays a 2-D projection of the 3-D model.

† AutoVue 2D Professional displays a 2-D projection of the 3-D model.

‡ Format support is provided through an exchange format.

## Engineering & Construction / Energy / Utilities

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
<b>Parametric Technology Corporation</b>									
	CoCreate Drafting / ME10 / OneSpace Designer Drafting		MI, BI	17.00, 16.50B, 16.50A, 16.00E, 16.00D, 16.00C, 16.00B, 16.00A, 2008 (16.XX), 2007 (15.XX), 2006 (14.XX)		✓	✓		✓
	Pro/ENGINEER	Drawing	DRW, FRM, PIC	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire			✓		✓
	Pro/ENGINEER	Part, Assembly	PRT, ASM, XPR, XAS	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire			✓		✓
	CoCreate Modeling / SolidDesigner / OneSpace Designer Modeling	Part, Part Container	SDP, SDPC	17.00, 16.50B, 16.50A, 16.00E, 16.00D, 16.00C, 16.00B, 2008 (16.XX), 2007 (15.XX)			✓		✓
	CoCreate Modeling / SolidDesigner / OneSpace Designer Modeling	Assembly, Container	SDA, SDAC	17.00, 16.50B, 16.50A, 16.00E, 16.00D, 16.00C, 16.00B, 2008 (16.XX), 2007 (15.XX)			✓		✓
	CoCreate Modeling / SolidDesigner / OneSpace Designer Modeling	Package, Bundle	PKG, BDL	17.00, 16.50B, 16.50A, 16.00E, 16.00D, 16.00C, 16.00B, 2008 (16.XX), 2007 (15.XX)			✓		✓
<b>Siemens PLM Software</b>									
	DirectModel (JT)		JT	9.1, 8.1, 8, 7, 6.4			✓		✓
	Solid Edge*	Draft	DFT	ST2, ST, 20, 19, 18		✓	✓		✓
	Solid Edge	Part, Assembly	PAR, ASM	ST2, ST, 20, 19, 18			✓		✓
	Unigraphics	Draft	PRT	NX7.5, NX7, NX6, NX5, NX4, NX3			✓		✓
	Unigraphics	Part, Assembly	PRT	NX7.5, NX7, NX6, NX5, NX4, NX3			✓		✓
<b>Exchange Formats</b>									
	CGM	Binary, ASCII (ClearText)	CGM	4, 3, 2, 1		✓	✓		✓
	CGM - CALS compliant		CGM			✓	✓		✓
	IFC	3-D	IFC, 2X2, 2X3				✓		✓
	IGES (2-D, 3-D)		IGES, IGS	5.3, 5.2, 5.1		2-D†	✓		✓
	STEP AP 203		STP, STEP, STE, P21				✓		✓
	STEP AP 214		STP, STEP, STE, P21				✓		✓
	STL	Binary, Text	STL				✓		✓
<b>Others</b>									
	HPGL		HGL, HPG, PLT, PRN		✓	✓	✓		✓
	HPGL/2		HGL, HPG, PLT, PRN		✓	✓	✓		✓
Refer to the <a href="#">Others</a> table for more formats.									
<b>Desktop / Office</b>									
Refer to the <a href="#">Desktop / Office</a> table.									
<b>Graphics</b>									
Refer to the <a href="#">Graphics</a> table.									

\* AutoVue only displays preview for Solid Edge Drawings.

† AutoVue 2D Professional displays a 2-D projection of the 3-D model.

## Industrial Manufacturing / Automotive / Aerospace & Defense

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
<b>Autodesk</b>									
AutoCAD	Drawing, Drawing Exchange	DWG, DXF	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000			✓	✓		✓
AutoCAD	3-D	DWG	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000, 2000i			2-D*	✓		✓
AutoCAD	Drawing, Binary Exchange	DXB	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000			✓	✓		✓
AutoCAD Mechanical 2-D/ Autodesk Mechanical Desktop 2-D	Drawing	DWG	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)			✓	✓		✓
AutoCAD Mechanical 3-D/ Autodesk Mechanical Desktop 3-D	Part, Assembly	DWG	2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)				✓		✓
Autodesk Inventor	Drawing	IDW	2012, 2011, 2010, 2009, 2008, 11, 10				✓		✓
Autodesk Inventor	Part, Assembly	IPT, IDV, IAM, IDE	2012, 2011, 2010, 2009, 2008, 11, 10				✓		✓
Revit†	Drawing	DWG, DXF	2010, 2009, 2008			✓	✓		✓
Revit†	3-D	DWF	2010, 2009, 2008			✓	✓		✓
<b>Bentley Systems</b>									
MicroStation Drawing	Drawing	CEL, DGN	8i, 8 XM, 8.5, 8.1, 8, J, SE, 95, 5, 4			✓	✓		✓
MicroStation Modeler	Drawing	DGN	8, 7.1, J, 7.0, PE, 95			✓	✓		✓
<b>Dassault Systems</b>									
CATIA V4	Model, Export, Assembly, Session, Drawing	MODEL, EXP, ASM, SESSION	4R2.X, 4R1.X, 4.0				✓		✓
CATIA V5	Part, Product, Drawing	CGR, CATPart, CATProduct, CATDrawing	5R17 to 5R20				✓		✓
SolidWorks	Drawing	SLDDRW	2011, 2010, 2009, 2008, 2007, 2006			✓	✓		✓
SolidWorks	Part, Assembly	SLDPRT, SLDASM	2011, 2010, 2009, 2008, 2007, 2006				✓		✓
<b>Parametric Technology Corporation</b>									
Pro/ENGINEER	Drawing	DRW, FRM, PIC	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire				✓		✓
Pro/ENGINEER	Part, Assembly	PRT, ASM, XPR, XAS	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire				✓		✓
CoCreate Modeling / SolidDesigner / OneSpace Designer Modeling	Part, Part Container	SDP, SDPC	17.00, 16.50B, 16.50A, 16.00E, 16.00D, 16.00C, 16.00B, 2008 (16.XX), 2007 (15.XX)				✓		✓
CoCreate Modeling / SolidDesigner / OneSpace Designer Modeling	Assembly, Container	SDA, SDAC	17.00, 16.50B, 16.50A, 16.00E, 16.00D, 16.00C, 16.00B, 2008 (16.XX), 2007 (15.XX)				✓		✓
CoCreate Modeling / SolidDesigner / OneSpace Designer Modeling	Package, Bundle	PKG, BDL	17.00, 16.50B, 16.50A, 16.00E, 16.00D, 16.00C, 16.00B, 2008 (16.XX), 2007 (15.XX)				✓		✓
<b>Siemens PLM Software</b>									
DirectModel (JT)		JT	9.1, 8.1, 8, 7, 6.4				✓		✓

\* AutoVue 2D Professional displays a 2-D projection of the 3-D model.

† Format support is provided through an exchange format

## Industrial Manufacturing / Automotive / Aerospace & Defense

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
	Solid Edge*	Draft	DFT	ST2, ST, 20, 19, 18		✓	✓		✓
	Solid Edge	Part, Assembly	PAR, ASM	ST2, ST, 20, 19, 18			✓		✓
	Unigraphics	Draft	PRT	NX7.5, NX7, NX6, NX5, NX4, NX3			✓		✓
	Unigraphics	Part, Assembly	PRT	NX7.5, NX7, NX6, NX5, NX4, NX3			✓		✓
<b>Exchange Formats</b>									
	IGES (2-D, 3-D)		IGES, IGS	5.3, 5.2, 5.1		2-D†	✓		✓
	STEP AP 203		STP, STEP, STE, P21				✓		✓
	STEP AP 214		STP, STEP, STE, P21				✓		✓
	STL	Binary, Text	STL				✓		✓
<b>Others</b>									
Refer to the <a href="#">Others</a> table for more formats.									
<b>Desktop / Office</b>									
Refer to the <a href="#">Desktop / Office</a> table.									
<b>Graphics</b>									
Refer to the <a href="#">Graphics</a> table.									

\* AutoVue only displays preview for Solid Edge Drawings.

† AutoVue 2D Professional displays a 2-D projection of the 3-D model.

## Electronics & High Tech

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
<b>Autodesk</b>									
	Autodesk Inventor	Drawing	IDW	2012, 2011, 2010, 2009, 2008, 11, 10			✓		✓
	Autodesk Inventor	Part, Assembly	IPT, IDV, IAM, IDE	2012, 2011, 2010, 2009, 2008, 11, 10			✓		✓
<b>Bentley Systems</b>									
	MicroStation Drawing	Drawing	CEL, DGN	8i, 8 XM, 8.5, 8.1, 8, J, SE, 95, 5, 4		✓	✓		✓
	MicroStation Modeler	Drawing	DGN	8, 7.1, J, 7.0, PE, 95		✓	✓		✓
<b>Cadence Design Systems</b>									
	Allegro PCB Layouts / Concept HDL / Drawings / Symbols / Padstacks	PCB, 3-D	BRD, DRA, MCM, MDD, SSM, PSM, BSM, OSM, FSM, PAD	16.3, 16.2, 16.0, 15.0 to 15.7				✓	✓
	Allegro Design Entry HDL	Schematics	CPM, TAR, GZ, TGZ, ZIP	16.3, 16.2, 16.0, 15.x				✓	✓
	Cadence Schematic Symbols	Schematics	CSS	16.3, 16.2, 16.0, 15.0 to 15.7				✓	✓
	OrCAD Capture Design/Library	Schematics	DSN, DBK, OLB	16.3, 16.2, 16, 15.7				✓	✓
<b>Dassault Systems</b>									
	CATIA V4	Model, Export, Assembly, Session, Drawing	MODEL, EXP, ASM, SESSION	4R2.X, 4R1.X, 4.0			✓		✓
	CATIA V5	Part, Product, Drawing	CGR, CATPart, CATProduct, CATDrawing	5R17 to 5R20			✓		✓
	SolidWorks	Drawing	SLDDRW	2011, 2010, 2009, 2008, 2007, 2006		✓	✓		✓
	SolidWorks	Part, Assembly	SLDPRT, SLDASM	2011, 2010, 2009, 2008, 2007, 2006			✓		✓
<b>Mentor Graphics</b>									
	Board Station	PCB, 3-D	ATTR, TAR, GZ, TGZ, ZIP	8.0 to 8.13				✓	✓
	Design Architect	Schematics	ATTR, TAR, GZ, TGZ, ZIP	8.0 to 8.13				✓	✓
	DxDesigner	Schematics	DPROJ, TAR, GZ, TGZ, ZIP	2005, 2004, 2002				✓	✓
	Expedition PCB	PCB, 3-D	PRJ, PCB, TAR, GZ, TGZ, ZIP	2005, 2004.x, 2002				✓	✓
	Expedition Design Capture	Schematics	PRJ, SBK, TAR, GZ, TGZ, ZIP	2005, 2004.x, 2002				✓	✓
	PADS Layout	PCB, 3-D	ASC, PCB	2007, 2005 Spac2 (Binary, ASCII), 2005 (Binary, ASCII)				✓	✓
	PADS Logic	Schematics	SCH, TXT	2007, 2005 Spac2 (Binary, ASCII), 2005 (Binary, ASCII)				✓	✓
<b>Parametric Technology Corporation</b>									
	Pro/ENGINEER	Drawing	DRW, FRM, PIC	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire			✓		✓
	Pro/ENGINEER	Part, Assembly	PRT, ASM, XPR, XAS	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire			✓		✓
<b>Siemens PLM Software</b>									
	DirectModel (JT)		JT	9.1, 8.1, 8, 7, 6.4			✓		✓
	Solid Edge*	Draft	DFT	ST2, ST, 20, 19, 18		✓	✓		✓

\* AutoVue only displays preview for Solid Edge Drawings.

## Electronics & High Tech

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
	Solid Edge	Part, Assembly	PAR, ASM	ST2, ST, 20, 19, 18			✓		✓
	Unigraphics	Draft	PRT	NX7.5, NX7, NX6, NX5, NX4, NX3			✓		✓
	Unigraphics	Part, Assembly	PRT	NX7.5, NX7, NX6, NX5, NX4, NX37			✓		✓
<b>Zuken</b>									
	CR-5000*	Schematics	EDIF					✓	✓
<b>Exchange Formats</b>									
	CGM	Binary, ASCII (ClearText)	CGM	4, 3, 2, 1		✓	✓		✓
	CGM - CALS compliant		CGM			✓	✓		✓
	EDIF	Schematics	EDF, EDIF, EDN	4, 3, 2				✓	✓
	IDF	PCB, 3-D	EMN, EMP, BRD, LIB	3.0, 2.0				✓	✓
	IGES (2-D, 3-D)		IGES, IGS	5.3, 5.2, 5.1		2-D†	✓		✓
	ODB++	PCB, 3-D	TAR, GZ, TGZ, ZIP	7.0, 6.5, 5.3, 4.3				✓	✓
	ODB++(X)	PCB, XML	XML, ODB	1.x				✓	✓
	STEP AP 203		STP, STEP, STE, P21				✓		✓
	STEP AP 214		STP, STEP, STE, P21				✓		✓
<b>Others</b>									
	GDSII	Artwork (binary)	GDS, GDS2, CAL, STRM	2				✓	✓
	Gerber Format	Artwork	GBL, GBR, PHO	RS274-D, RS274-X				✓	✓
	NC-Drill	Sieb Meyer Excellon	DRL, NCD					✓	✓
Refer to the <a href="#">Others</a> table for more formats.									
<b>Desktop / Office</b>									
Refer to the <a href="#">Desktop / Office</a> table.									
<b>Graphics</b>									
Refer to the <a href="#">Graphics</a> table.									

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## Desktop / Office

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
<b>Adobe</b>									
	Acrobat PDF		PDF	X (10), 9.0, 8.0 (1.7), 7.0(1.6), 6.0(1.5), 5.0(1.4), 1.3, 1.2, 1.1, 1.0	✓	✓	✓	✓	✓
<b>Microsoft</b>									
	Word		DOC, DOCX	2007, 2003	✓	✓	✓	✓	✓
	Excel		XLS, XLT, XLW, XLSX, XLTX	2007, 2003	✓	✓	✓	✓	✓
	PowerPoint		PPT, PPTX	2007, 2003	✓	✓	✓	✓	✓
	VISIO		VSD	2007, 2003, 2002, 2000	✓	✓	✓	✓	✓
	Outlook		MSG		✓	✓	✓	✓	✓
<b>Others</b>									
	Plain Text (ASCII, UTF-8, Unicode, Multi-byte)		TXT		✓	✓	✓	✓	✓
Refer to the <a href="#">Others</a> table for more formats.									

## Graphics

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
	CALS Group IV	Type I, Type II (Tiled, Stripped)	GAL, GG4, MIL, ODA, MLR		✓	✓	✓	✓	✓
	CompuServe GIF		GIF, RLE		✓	✓	✓	✓	✓
	JPEG		JPEG, JPG		✓	✓	✓	✓	✓
	PNG		PNG		✓	✓	✓	✓	✓
	TIFF		TIF, TIFF		Desktop Size*	✓	✓	Desktop Size*	✓
	Windows Metafile		WMF	3	✓	✓	✓	✓	✓
	Windows Bit map		BMP		✓	✓	✓	✓	✓

Refer to the [Others](#) table for more formats.

\* Desktop size TIFF – maximum size is 32000 x 32000 pixels.

**Others**

Vendor	Product / File Format	File Type	Extensions	Versions	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
	Enhanced Metafile		EMF, EMZ (Compressed)		✓	✓	✓	✓	✓
	PCL		PCL, PRN	5	✓	✓	✓		✓
	ZIP Archive		ZIP		✓	✓	✓	✓	✓