



PRODUCT RELEASE ANNOUNCEMENT

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Product Group	INVENTOR to JT
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History

Revision	Update Information
1.0	Initial Release

Product Codes

Product Code **Product Description**

INVJT-U1	INVENTOR to JT
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Supported Application Revisions

The following application revisions have been qualified with this release

Application	Revision
INVENTOR	INVENTOR 2015, INVENTOR 2016

Supporting API's

The following supporting API support is used

Application	Revision
JTOpen	Jtk8.0

Supported Operating Systems

The following operating systems have been qualified with this release

Operating System	Qualification Status
Windows 7 64bit	Qualified and fully supported for INVENTOR 2015 and INVENTOR 2016.
Window 8 64bit	Qualified and fully supported for INVENTOR 2015 and INVENTOR 2016.
Windows Server 2008 R2	Not formally qualified for INVENTOR 2015 and INVENTOR 2016.
Windows Server 2012	Not formally qualified for INVENTOR 2015 and INVENTOR 2016.



Distribution Media

CD images of the latest release are available from the following download sites.

Product	URL for CD image download
Support for ALL Versions	cdCAD 19.3 INVJT WIN.01.zip
Unified Interface	cdCAD 19.3 UI WIN.01.zip

New Features / Enhancements

The following new features or enhancements have been introduced with this release. This document also includes fixes

Ref ID	New Feature / Enhancement Description
1	Version Support: Support for INVENTOR 2015 and INVENTOR 2016.
2	UI Support: Added support for the Theorem Unified Interface.
3	Improved handling of faces for JT BREP.
4	Prevent a crash when using the option CollapseHierarchy=false
5	Create overriding materials for instances within an instanced sub-assembly
6	Updated and improved material colour processing
7	Added new command line option ' <i>plmxml_only</i> ' to produce a Daimler conformant plmxml assembly file with leaf node JT Parts, but no top level JT Assembly file.
8	Attributes can be mapped using a mapping file
9	Updated and improved PLMXML assembly scaling
10	Fixed crashes associated with extended_pmi
11	Trim wireframe curves that are stored with trimming when creating BREP wireframe.
12	CAD_MOMENT_OF_INERTIA added as a special case for mass property attributes.
13	A new function call to remove redundant topology from created bodies. This aids improved XtBrep processing
14	Improved processing of override colours in assemblies via updates to paths to assembly instances
15	The attribute "JT_PROP_MEASUREMENT_UNITS" is now added to every node instead of being added to JT Parts if mass properties have been requested.
16	Change the default for "Split Discontinuous Surfaces" (brep_prep) to "off".
17	Add the ability to create an assembly of JT piece parts and a STEP AP 242 BOM file that references them. This new option is controlled by a new command line option ' <i>write_stepbom</i> '.



18	Allow for the case of no assembly structure when creating PLMXML output. The PLMXML file now correctly references the JT Part.
19	Correction to the creation of Coordinate Systems.
20	Prevention of a crash in CRTSFA when trying to create a face with only 2 edges that are both degenerate.
21	Prevent crash when 2 degenerate edges are in a domain.
22	Added support for 'use_instance_names' where the JT node names are to be named after an assembly instance
23	Suppress error message when attempting to create the XT_ENTITY_ID attribute when running for JT XT Brep.



Known Limitations and Restrictions

The following limitations and restrictions have been identified during final testing prior to release

Ref ID	Limitations and Restrictions
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Resolved Support Calls

The following list of Support Calls are resolved with this release

Support Call ID	Brief Description
CAS-01383	Added a <i>'write_plmxml'</i> option that writes a plmxml file containing any assembly details referencing the JT Part files created by the translation.
CAS-01458	Updated and improved open solid processing. Added "Translator Title" to JT Output
CAS-01815	The JT config file method of supplying options to the JT write translators has been updated to include most of the options supported by the command line interface
CAS-01983	Addition of a call to the Parasolid function MERGEN which removes redundant topology from created bodies. This was in the Parasolid code, but not the JT code. The primary use of MERGEN is to combine 2 half cylinder faces into a single face.
CAS-02053	Updated and improved plane processing when outside of the model extents
CAS-02071	Correctly support symbols when creating JT attributes
CAS-02105	Prevented a crash when reporting a non-manifold vertex error that resulted from large vertex and edge tolerances being calculated in tolerant modelling. Updated and Improved edge and vertex tolerance processing
CAS-02146	Correctly support property "CAD_SOURCE" (ISO standard name)
CAS-02376	Logging updated to support the new User Interface
CAS-02502	Resolved crash condition when processing Parasolid non-manifold vertex errors. The translator now attempts to fix "partial degeneracies" in surfaces. A new command line argument <i>'fix_pdegen'</i> has been added to invoke the fix.
CAS-02557	Make XT the default type for Brep geometry. A new command line argument, <i>'jt_brep'</i> has been added, that the old default can be selected.
CAS-02584	Improved handling of shells in solids

