

PRODUCT COMPARISON



IronCAD, LLC offers 3D design solutions with functionality tailored to fit your specific needs. 3D design data is seamlessly shared between product offerings allowing users to work effortlessly in a mixed design environment.

3D MODELING METHODS	IRONCAD	INOVATE
Innovative Part Design Support	■	■
Structured Part Design Support	■	Note 1
3D Dynamic Modeling (History and/or Non-History Based)	■	■
History Constraint Toggle Technology	■	■
3D Surfacing Modeling - Basic	■	■
3D Surfacing Modeling - Advanced	■	Note 1
3D Direct Face Modeling (DFM)	■	■
3D Direct Face History Modeling (Structured Part Design)	■	■
Support for 3D Multiple Body Capabilities	■	Note 1
Top-Down Assembly Design	■	■
Bottom-Up Assembly Design	■	■
3D Boolean Modeling	■	■
Assembly Modeling within a Single Scene	■	■
Assembly Modeling with External Linking Capabilities	■	Note 2
Parametric Modeling	■	■
Sheet Metal Modeling	■	Note 3

3D ENVIRONMENT	IRONCAD	INOVATE
Full Library of Catalogs	■	■
IntelliShape Modeling Intelligence - Basic	■	■
IntelliShape Modeling Intelligence - Advanced	■	■
Dynamic View Sensitivity Modeling	■	■
SmartSnap® Technology	■	■
Behaviorial Modeling	■	■
Variant Modeling (Design Variations)	■	■
SmartAssembly® Technology	■	■
IntelliStretch® Technology	■	■
Auto-Feature® (On-Demand feature recognition)	■	■
Dual Kernel Support (ACIS and PARASOLID)	■	■
Cruising Technology	■	■
Multiple Coordinate Systems Creation	■	■
Mechanism Kinematics	■	■
Dynamic Collision Detection	■	■
TriBall®	■	■
Handle Technology (Basic)	■	■
Handle Technology (Advanced)	■	■
Auto-Project Sketching	■	■
Reference Object Support (Datum Planes)	■	Note 1
Spreadsheet-Driven Parametric Design	■	■
2D Sketching SmartSnap Feedback and Indicators	■	■
Real-time Rendering Display Options Support	■	■

RENDERING	IRONCAD	INOVATE
Photo-Realistic Rendering (Basic)	■	■
Photo-Realistic Rendering (Advanced)	■	■

TRANSLATORS	IRONCAD	INOVATE
2D Translator Support	■	Note 4
3D Translator Support for ACIS, Parasolid, and Others	■	■
3D Translator Support for CATIA V5, Pro/E, and UG	Note 5	Note 5

ANIMATION	IRONCAD	INOVATE
Animation - Drag and Drop	■	■
Animation - Key-Frame	■	■
Animation Export to Video	■	■

COMMUNICATION TOOLS	IRONCAD	INOVATE
3D Email Package Builder	■	■
Web Publishing	■	■
3D PDF Export	■	■
2D PDF Viewer Support (Freely Distributable)	■	■
3D Scene Viewer (Freely Distributable)	■	■

2D DRAWING ENVIRONMENT	IRONCAD	INOVATE
2D Bi-Directional Drafting/Detailing	■	■
Integrated CAXA Draft 2D Drafting/Detailing	■	■
Full Library of Catalogs	■	■
Parametric 2D Parts Library	■	■

- NOTES:**
- 1) INOVATE can open and edit structured parts, but it cannot create structured parts. Structured parts support multiple body capability.
 - 2) INOVATE cannot create external-linked file associations, however INOVATE is able to open files that have externally linked files associated with them that were created in IRONCAD.
 - 3) INOVATE is able to read sheet metal parts created in IRONCAD, however cannot edit them with standard sheet metal design tools and must resort to DFM tools to edit.
 - 4) INOVATE can import 2D into sketch environments but cannot export 2D data.
 - 5) Optional translators are available at additional costs.

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