



Legacy CAD data migration to IRONCAD™

The bulletin is intended to highlight how you can migrate your native AutoDesk INVENTOR data to IRONCAD.



Collaboration

The process of migrating and continuing to use CAD data from any legacy application in IRONCAD™ is a straightforward process and may vary according to each individual's specific corporate design environment. Below is a simple overview of tools and technologies included in IRONCAD to help you continue to use your legacy data as though it were created natively.

Sidebar: Our recommendation is to import and update your legacy data on an as-needed basis. Often, many larger corporations want to migrate all the data at once in a custom application to generate all the data into the new application formatting. We strongly advise against this because this process assumes the legacy data is "clean" and 100% accurate in all its properties and ancillary data. We have never seen this to be the case in our experience.

You can export your 3D data from your application in a neutral format to open/import into IRONCAD™. We recommend Step AP214; however, feel free to use any other format that best suits your needs. If you do not wish to export your legacy data to a neutral format, you have the option to purchase the IRONCAD-TRANS™ add-on that allows you to import the native. IRONCAD™ can read and write your DWG and DXF data without compromise in either of the two environments provided: Drawing or DRAFT™.

After importing your 3D data into IRONCAD™, you can now start to use the model as required to perform any necessary design and/or engineering tasks as though you were continuing in your native application. Some examples include, but not limited to, design and engineering, drawing creation, rendering, animation, analysis, and more. There's no need to do anything to your imported model; however, you can assign any data to it if required, such as part number, material, or any other custom data.

Parameters

A key consideration is that parametric data defined in your native application will not transfer into IRONCAD. In most cases, this does not pose an issue during migration. IRONCAD offers flexible design technologies that often eliminate the need for parametric constraints to achieve the same outcomes. When parametric control is required, constraints can be applied quickly and on demand, significantly reducing the time and effort typically needed to recreate them.

Working with you legacy data

At some point you will need to edit your legacy datafiles. After importing your data you determine the need to edit the model then there are several editing tools available to you to do so.



Parameters

Intelligent on-demand parameter creation and pairing.



Traditional

Use standard modeling tools you already understand.



Direct-Face

Intelligent on-demand face editing and manipulation.



IntelliStretch™

Dynamically Stretch Parts and Assemblies without parameters.



Auto-Feature™

On-Demand feature recognition and creation.



Catalog-Based

Advanced DnD system for automatic feature/part modeling