CADRADirect is a group of translators for exchanging CAD files with CADRA Design Drafting. Direct interfaces are available for MICROCADAM, CADAM, PRO-CADAM, CDD, CATIA, CADDs, DWG, DXF, and IGES. CADRADirect contains fundamental components for companies needing to manage legacy CAD data. CADRADirect modules convert CAD drawings into the CADRA environment providing access to a broad set of mechanical design and drafting tools. Files may be transferred from other systems interactively or by using a batch program. CADRADirect also lets you export CADRA drawings back to some of the other CAD formats. You can take advantage of the design drafting capabilities of CADRA; yet continue to work with companies and contractors who use other CAD programs.

Why Choose CADRADirect?

- Customizable translation parameters accommodate a broad range of user needs (what are those needs, data I/O needs?)
- Interactive mode provides real-time data translation
- Batch mode enables data translation in the background, possibly on large amounts of files, while you continue to work
- Provides bi-directional support for several model and drawing modes (See chart above for complete list)

Share data with clients, contractors, and collaborators. CADRADirect modules enable you to migrate to, or keep your designers on CADRA software, yet still be able to receive information from others who use various programs. Use software that is preferred by the world's leading manufacturing companies. CADRA is proven mechanical design software that has been continually refined over the past thirty years. It is used by leading companies around the globe including Braun, General Dynamics Electric Boat, Polaroid, Volkswagen, and Yamaha and has been part of world-class manufacturing projects such as the Canadian oil pipeline and the U.S. Navy's Seawolf class submarine.
CADRA at a glance...

**Low Cost of Ownership**
The efficient drawing productivity brought to your desktop by CADRA, allows exploration time for iterations, innovations, and clarity, which leads to improved product quality and faster time to market. CADRA provides an overall cost effective ownership experience, with its links into other CAD tools and availability on fresh Hardware and Operating Systems.

**Improve Design & Documentation Quality**
The CADRADirect translators allow time to explore alternatives and focus on clarity and accuracy of the imported 2-1/2D models for increased drafting and documentation quality.

**Reduced Cost, Faster Time to Market**
When using one of the CADRADirect translators they immediately turn into cost savings and compressed release schedules. No need to redraw drawings with CADRADirect.

**Fits Existing Infrastructure**
CADRA runs on 32 bit and 64 bit versions of Windows 7sp1, 8.1 and 10 Professional and Enterprise. As well as Windows servers versions 2008sp1, 2008r2x64, 12 R2 and 16. Microsoft Word documents, Excel spreadsheets, PowerPoint presentations and pictures can be embedded in CADRA drawings. Legacy data or data from other CAD programs can be imported as well using OLE (Object Linking and Embedding).

**Global Solution**
CADRA is available in multiple languages including English, French, German, Italian and Japanese. Reduction in the learning curve and data migration times are obtained through training, database conversions, programming tools, viewers, and direct interfaces with other CAD tools, as well as quick links to 3D visualization.

**Greater Productivity with CADRA**

**CADRA Raster** -- Raster-to-vector conversion utility for converting paper drawings into CADRA files

**CADRADirect** – A suite of CADRA translators that allow write/read of CADRA drawings

**CADRAView/Check** – Share designs as view-only, markup, and red-line

**CADRA Solid Modeling Integrators:** The SolidWorks and SpaceClaim integrators have bidirectional data exchange that turns solid models into accurate CADRA designs and legacy CADRA files into Solid Model sketches with ease. This can be used for documentation or cost effective 2-1/2D designs and provides photo-realistic images of CADRA designs in progress for prototyping

**CADRANC** – 2- through 5-axis numerical control (NC) programming with full mill turn support and control of a diverse mix of CNC machines

**CADRA Plot** – Batch plot management and file translation

**CADRA-BOM** – Automate bill of materials (BOM) creation, reuse setup and retrieve

**CADRA-EDM** – Data management facility

**CADRA-LIB** – Library of components created with CADRA productivity features in mind

https://www.mentor.com/products/mechanical/cadra