CADRA Direct
The Best Way to Manage, share and exchange CAD data files

### Direct Translator Add-On Options

<table>
<thead>
<tr>
<th>Direct Translator Add-On Options</th>
<th>Part Number</th>
<th>Extensions Supported</th>
<th>Bi-Directional</th>
<th>Read Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>CADAM</td>
<td>258074</td>
<td>.dtf,.drt,.dfu</td>
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<td>CADDs</td>
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<td>.mxx,.mdm,.doc,.mcd,.mco</td>
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Data exchange formats & operational modules supported

CADRA Direct is a group of translators for exchanging CAD files with CADRA Design Drafting. Direct interfaces are available for MICROCADAM, CADAM, PRO-CADAM, CCD, CATIA, CADDs, DWG, DXF, and IGES. CADRA Direct contains fundamental components for companies needing to manage legacy CAD data. CADRA Direct 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. CADRA Direct 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 CADRA Direct?

- 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. CADRA Direct 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 Productivity Tools

- QuickDim intelligent dimensioning
- QuickPick rapid selection and insertion of parts, layers, and overlays
- QuickHatch for crosshatching
- QuickTrim for trimming and cornering
- CADRA Raster editing tools, which convert rasterized images into useable vector format drawings
- FlexDesign adds dimension-driven variation and design capabilities
- Planar, step and complex sectioning with cross-hatch control
- Preview of geometry to be created
- In-place figure editing
- In-drawing foreign language text
- Plot preview, plots PDFs
- Bi-directional HPGL format
- Microsoft Office integration (OLE)
- In-Drawing Documentation Tools

### Design Automation

- AutoGeometry macro programming
- Visual Basic Object model interface
- CADRA LIB intergraded Component Library
- CADRA BOM bill of materials automation
- CADRA EDM data management facility
- Read and/or write to CADAM, CADDs, DWG, DXF, IGES, PDF, HPGL, MICROCADAM, CATIA, and CCD

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

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 64 bit versions of Windows 8.1 and 10 Professional and Enterprise. As well as Windows servers versions 2012 R2, 2016 and 2019. 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 provides an overall cost effective ownership experience, with its links into other CAD tools and availability on fresh Hardware and Operating Systems.

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