DataCAD®

Not All CAD Systems Are The Same.
Discover The Facts.

William Riseman Associates, Inc.

The fact is, computer-aided design is a proven method of enhancing the creative and design process. You spend less time making revisions and more time investigating design options — and that ultimately improves the productivity of your firm. Utilizing CAD tells prospective clients you have the unique ability to meet their needs quickly and professionally. But not all CAD systems are the same. We want you to have the facts.

Cadkey, Inc.

DataCAD®

Fact: **DataCAD® was designed by architects for architects.** Many of the popular CAD systems on the market today were designed to be all things to all people. The same system might be used to design everything from an office building to a clutch for a car. Not so with DataCAD. Architects created the software — and input from architects like you guides the development of new releases today! Consistency, and a clear understanding of what architects want and need, are what make DataCAD the clear choice for A/E/C professionals.

Fact: **DataCAD gives you 2-D/3-D design without costly add-ons.** How can you get a "real-life" image of what your design will look like from a flat 2-D image on the screen? You can't. That's why DataCAD is truly a 3-D system. And while other CAD programs may require you to purchase add-on programs that give you 3-D capabilities, DataCAD gives you 2-D drafting, 3-D design and 3-D wire-frame capabilities — all for one competitive price.

Fact: **DataCAD speaks your language.** All CAD systems claim to be easy to learn. And they probably are if you're a computer programmer. But you're an architect, and you need a system that's written just for you. Because DataCAD was written by architects, it uses architectural terminology in an easy-to-follow menu system. No need to remember cryptic commands and no need to learn a whole new language.

Fact: **DataCAD Offers A Full Range of Design Features:** Some of the most exciting and useful features include:

Creating 2-D Geometry

- A software display list which dramatically increases the speed of redraws, pans, zooms, and entity selection.

- DataCAD AEC®, designed specifically for commercial buildings, to automatically draw practically every part of a building plan — windows, walls, floor and ceiling grids, stairs, elevators, and bathroom fixtures.

- Automatic door, window and wall commands from the on-screen menu. Wall intersections are automatically trimmed and window and door intersections are automatically resolved into the wall.

- On-screen template symbols that let you create as many symbols as you want and store them in template files. Storage is virtually unlimited, and symbols are easy to access from the screen.

- Ability to save, load, and view a series of text settings such as size, angle, weight, aspect ratio, line feed factor, font name, text scaling.

- More than a dozen *new* text fonts including Helvetica, Times Roman, Microgramma, Avant-Garde, and hand-lettered architectural characters.

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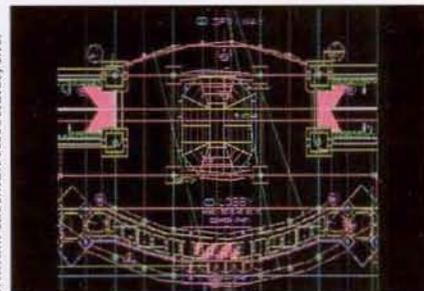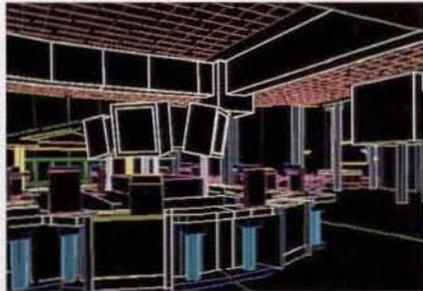
Editing 2-D Geometry

- Dynamic rotation capabilities which allow you to continuously rotate your design and view it from any angle.

- An Erase function so you can undo entities and return to your original layer, not just the currently active layer.

- A Remove function that automatically removes previously-placed doors, windows, or wall cuts and reconstructs the wall in which they were placed.

- Automatic and associative dimensioning along the points you select. Dimensions are automatically recalculated as you make changes.

- Global editing so you can make changes on one layer of a drawing, and have all the changes made on all other layers. You can also edit layers individually.

Creating, Editing and Viewing 3-D Geometry

- DC Modeler® lets you create 3-D solid models using 3-D primitives such as slabs, cylinders, spheres, mesh surfaces, and surfaces of revolution. These 3-D primitives can be used to create architectural objects such as floors, walls, columns, vaults, domes, undulating ground planes, and complex moldings and spindlework.

- AEC_MODL which allows you to automatically create 3-D solid models of windows and doors. You can designate specific types of windows such as double-hung, casement, and sliding windows, and specific types of doors such as single, double, bi-fold, and sliding doors. Each component of the window or door may also be individually specified.

- An affordable photorealistic rendering package that lets you take images generated with DataCAD's DC Modeler and generate presentation-quality graphics.

- Hidden Line Removal to automatically erase lines that you wouldn't normally see in realistic 3-D images.

- The Viewmaster macro which allows you to create automatic walk-through and fly-through sequences. These fly-throughs can be set up with or without hidden-line removal, and slide shows can be edited and saved for later use.

File Management and Data Transfer

- Symbol data base capabilities that let you develop a bill of materials and assign specifications and prices to the symbols you create.

- Built-in data base capability that compiles a bill of materials from the values you assign and provides a running estimate of costs.

- A maximum drawing file size that has been increased from 4MB to 6MB.

- A DXF™ translator included with DataCAD.

Hardware Specifications:

- Support for more than 40 graphics cards.

- Recommended Hardware: IBM AT, PS/2 series and compatibles. 640K RAM, hard disk, math coprocessor, mouse or digitizer.

- Support for several types of mice and digitizers, and a variety of plotters. Contact your local DataCAD Dealer or Cadkey, Inc. for more details.

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The fact is DataCAD *will* make you more productive. But don't just take our word for it, contact your local DataCAD Dealer today for a demonstration of DataCAD's 2-D/3-D design capabilities and DataCAD Velocity's "real-life" rendering capabilities.

From the CAD Experts:

DataCAD is brought to you by the A/E/C Product Group of Cadkey, Inc., a leader in 3-D computer-aided design software. The DataCAD product is the only product ever to be offered to its members by the American Institute of Architects Professional Systems Division. More than 80,000 Cadkey Computer-Aided Design Systems are installed globally with translations available in French, German, Italian, Spanish, Japanese, and more. And all Cadkey products are supported by a worldwide Dealer network, technical services staff, and a network of User Groups.

For more information about DataCAD or any other Cadkey product, please contact:
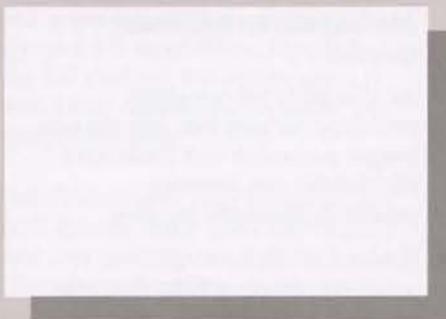
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