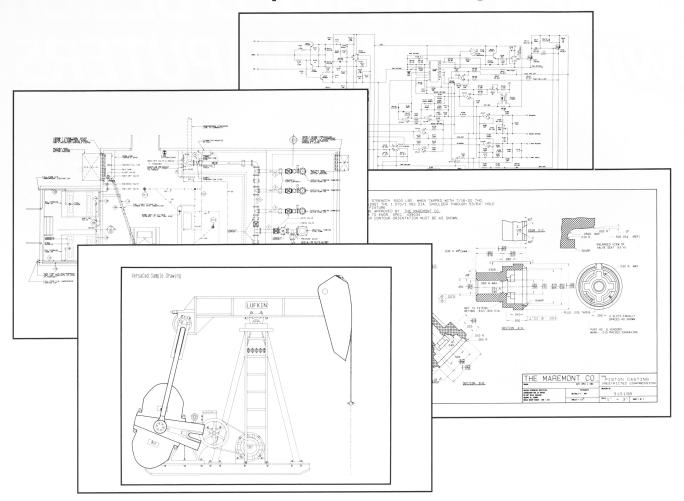
# COMPUTER-AIDED DESIGN with TANDY COMPUTERS



## How Your Firm Can Benefit From The Power of Computer-Aided Design



#### "What is CAD?"

CAD programs are to images what word processors are to words: you use them to create, edit and make hard copy, but the medium is drawings rather than words. You can create drawings that are as simple as an organization chart or as complex as a printed circuit board design. But most important, computer-aided drafting produces clean drawings with crisp notations of any type—the marks of a professional.

#### "Why Does My Company Need CAD?"

In the past few years, Computer-Aided Drafting (CAD) has come of age. Recent studies have indicated the overall productivity increase of CAD users laverage 4:1, with a minimum gain of 2:1. CAD offers decisive productivity gains over manual techniques, particularly in the area of additions and modifications.

### "How Can I Use CAD in My Work?"

Computer-aided design has many potential applications, among them graphics design, illustration, flow charts, block diagrams, forms design, mapping, printed-circuit board/electrical design, space planning, architectural design, mechanical drafting, and product design. Because computer-aided design is so versatile, many offices find that CAD becomes a full-time "employee," as it is used 35-40 hours a week. Even though you may purchase microcomputers primarily for computer-aided design, your company can get

added productivity by using spreadsheet, database, and word processing software to handle other routine office assignments.

#### "Who Uses CAD?"

The architectural, engineering and construction segment of the service industry is now the fastest-growing end-use segment in the CAD industry. The industry itself is mushrooming, and the latest generation of microprocessors has made CAD affordable to an increasing number of smaller firms. And with the threat of competition, many firms find the time savings, precision and high-technology of CAD essential to their future growth.

### "How Flexible is CAD?"

Powerful CAD programs allow you a variety of applications; in fact, 80 percent of what a larger system can do can be achieved with a microcomputer costing much less than 80 percent of a larger system. With zoom and pan features you can view the details in your drawing or the drawing as a whole. It's easy to modify a small part of the drawing and produce a clean, professional drawing quickly. Repetitive drawing can be avoided using symbol libraries, copy, repeat, image and group functions, allowing you to use your time creatively. A one-man architectural firm can design creative, polished documents that reflect a well-staffed office.

## There is An Affordable Tandy Computer System For Every Graphics Professional



### The Tandy 2000HD, Our Most Sophisticated CAD System

The Tandy 2000HD, teamed with VersaCAD® Advanced or AutoCAD® Advanced drafting software, gives you minicomputer drafting and design power for the price of a microcomputer. All for under \$7000. (Plotter available through other sources.)

- 11 x 17 Digitizer Allows Precision Input Accurate to 0.02 Inches
- 10-Megabyte Internal Hard Disk Provides Fast Access to Large Drawings
- Create Symbol Libraries Unique to Your Design Requirements

System Includes: Tandy 2000HD, Memory Expansion Board and RAM Upgrade Kit, Monochrome Graphics Board, Color Graphics Upgrade, CM-1 Color Monitor and Kurta® Series II Digitizer and VersaCAD Advanced or AutoCAD Advanced. Contact your Radio Shack Computer Center for information about plotter availability.



#### The Tandy 2000, A Flexible, Powerful System

Using VersaCAD-Entry level with the Tandy 2000, you can start with an affordable system and expand as your needs grow. Systems start at under \$4700 (plotter included).

- Ultra-High Performance Tandy 2000 Produces Drawings Much Faster Than an IBM® PC
- High-Resolution Graphics (640 x 400, 8 Colors) Makes Your Drawings Easy to View and Revise
- Store Larger Drawings With the 2000's High-Capacity Floppy Disk Drives Than on Most Microcomputers

System Includes: Tandy 2000, Monochrome Graphics Board, Color Graphics Upgrade, CM-1 Color Monitor, PC 695 Plotter, Kurta Series I Digitizer and VersaCAD-Entry Level



### The Tandy 1000, The Most Affordable Solution For Computer-Aided Design

Even small firms can afford the advanced technology of computer-aided drafting with the Tandy 1000 and VersaCAD-Entry Level. Get started for under \$3600 (plotter included).

- Software Automatically Dimensions Your Drawings and Performs Area Calculations
- Use Real-World Coordinates that Automatically Convert Between Standard and Metric Measurements
- Easily converts drawings to IGES Standard File Format to Allow Transfer of Drawings in Mini and Mainframe environments
- Create Up to 250 Levels For Each Drawing

System Includes: Tandy 1000, 256K Memory Expansion Board, Disk Drive Kit, RS-232 Interface Board, VM-2 Monochrome Monitor, PC 695 Plotter, GT 2000 Graphics Tablet and VersaCAD-Entry Level

### TANDY... Clearly Superior

# Tandy Computers Are Backed With Total Support From The World's Largest Computer Retailer: Radio Shack

You'll find everything you need at your nearby Radio Shack Computer Center—"off the shelf" software, printers, custom forms, accessories and even furniture. And that's just part of the story.

Professional Training. Radio Shack offers training and support that is unequaled in the industry. Letting us teach you about your computer system shortens and smoothes that period of "becoming compatible with each other". You can select from a wide variety of courses taught at over 300 Computer Centers. Onsite computer instruction with training tailored to your specific needs is available from our Area Training and Support Organizations located in almost 60 major metropolitan areas.

Support Services. Radio Shack provides more support options at lower costs (much of it free of charge, in fact) than any other microcomputer company. Over 500 of our hardware and software specialists are your "on-demand" experts. Nationwide, 60 strategically placed support centers, plus our Fort Worth-based customer support staff, ensure that support is available to you where and when you need it. Ask for our Customer Training and Support brochure which details the various support services available, as well as the

locations and telephone "hotline" numbers of each support office.

Nationwide Service. 188 strategically located company-owned Radio Shack Computer Service Centers assure convenient service nationwide. Service that's performed by employees of the same company that manufactured and sold your computer.

Commercial Leasing. Your business may lease computer systems on a 37-month lease. And since ours is a true lease, payments may be fully tax deductible as a business expense. Get complete details at any Radio Shack Computer Center.

Express Order Program. This exclusive service brings you other top-name software and hardware add-ons. These products are performance-proven, and professionally supported by each vendor. Express Order products can be ordered at any Radio Shack Computer Center, store or participating dealer nationwide. Orders are transmitted electronically and shipped the following day for super-fast service! Select from a wide variety of products already available, with more being added every month. Stop by any Radio Shack Computer Center for an up-to-date list of these popular products.

Available at over 1200 Radio Shack Computer Centers and at participating Radio Shack stores and dealers.

