CAD/CAM/CAE graphics processor announced

AMF Logic Sciences has introduced the Turbograph 700, a vector-to-raster graphics processor. The Turbograph 700 is a dedicated processor that converts graphics data supplied by a host computer into a format that can be output to a variety of ink-jet, electrostatic, and laser printers and plotters.

Turbograph 700's drawing speed of up to 400,000 vectors per second relieves the host computer of tasks requiring CPU time. The graphics processor allows the user to define graphics elements for custom-tailored output. For example, shaded areas can be filled with patterns selected by the user. Turbograph 700 also features an alphanumeric character generator with a user-definable font library. Other graphics features include variable line styles and opaque or transparent color overlays.

Turbograph 700 input interfaces include RS-232-C 9600-baud serial, Centronics 8-bit parallel, and others.

The desktop Turbograph 700 carries a single-quantity list price of $6995. OEM discounts are available. Delivery is 90 to 120 days ARO.

The company is based at 10808 Fallstone Road, Houston, TX 77099; (713) 879-0536.

Reader Service Number 39

Color printer offers ribbon transfer

Okidata's OKIMATE 20 uses a ribbon-transfer process to create full-color screen dumps on either computer paper or single sheets, as well as near-letter-quality text processing. The printer is offered for use with the IBM-PC and compatibles and the Apple Ile and IIC computers, through the use of its parallel or serial Plug 'N Print interface kits, which are designed for both hardware and software compatibility. Two diskette-based software programs, Learn to Print and Color Screen Print, are included with the printer.

The product will print on a variety of paper, including acetate for instant overhead transparencies in full color. OKIMATE 20's built-in friction and tractor-feed mechanisms will accept both continuous form paper and single sheets.

OKIMATE 20's 24-pin print head has a life expectancy of 10 million characters and prints at a speed of 80 characters per second in the draft mode and 40 in letter quality. OKIMATE 20 prints graphics up to 144 by 144 dots per inch.

OKIMATE 20 uses LSI circuitry, custom microchips, high-resolution graphics, and features such as downline-loadable character sets.

The OKIMATE 20 printer and required interface cost $268.

For more information contact Okidata at 532 Fellowship Road, Mt. Laurel, NJ 08054; (609) 235-2600.

Reader Service Number 40

Speech synthesizer supports Commodore 64

Votrax, Inc., has introduced an addition to its Votalker family of speech synthesizers that can speak text automatically as it is entered into a Commodore 64 and can spell words upon command. Votalker C-64's capabilities include a screen echo that allows all words, numbers, punctuation marks, and other symbols to be spoken as they are printed to the terminal screen.

The unit, equipped with the SC-01A speech chip, speaks in unlimited vocabulary and has a Speak command that vocalizes text printed to the screen. Speak can be used with numbers, phrases, and complex expressions. Votalker C-64 also comes equipped with pitch, volume, and rate controls to create more natural-sounding speech.

A Mode command offers users a choice among three types of text vocalization: a conversation mode that reads text in a natural way, with appropriate pauses at punctuation marks; a verbatim mode that reads text and pronounces symbols; and a character mode that spells each word and pronounces numbers and symbols.

Votalker C-64 is priced at $99.95. For more information, contact Votrax, Inc., 1394 Rankin Road, Troy, MI 48083; (800) 521-1350; in Michigan call collect (313) 588-0341.

Reader Service Number 41

Chip sets offer IBM PC AT compatibility

Chips and Technologies, Inc., founded in January 1985, has announced two initial product offerings.

PC/AT Compatible CHIPSet, whose five chips replace 63 SSI, MSI, and LSI circuits on the IBM PC AT motherboard, is designed for both board-level and OEM systems manufacturers who desire 100-percent AT compatibility with reduced design time and implementation cost. Applications include industrial automation/process control, scientific/medical instrumentation, and engineering workstations, as well as PC AT-compatible personal computers.

The Enhanced Graphics CHIPSet is a four-chip set that replaces the Enhanced Graphics Adapter card used in the IBM PC, PC XT, PC AT, and compatibles. Through higher integration and 256K-DRAM support (in display memory), the Enhanced Graphics CHIPSet reduces the total chip count from 76 to 32. The set is designed for AT add-on board manufacturers as well as OEMs and will run all EGA software. It supports existing video controller standards, including IBM Monochrome and Color Graphics Adapters and the Hercules Adapter Card.

The PC/AT CHIPSet costs $72.40, and the Enhanced Graphics CHIPSet is priced at $85.40 in quantities of 100.

Contact Chips and Technologies, Incorporated, at 521 Cottonwood Drive, Milpitas, CA 95035; (408) 434-0600.

Reader Service Number 42

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