

## NCC PRODUCT REVIEW

### CAPACITIVE SOLID-STATE KEYBOARD

Low profile keyboard incorporates an n-MOS ROM keyboard encoder chip which handles either mechanical or capacitive inputs and requires only a 5-Vdc supply. The entire 110-key keyboard can be scanned in 1.1 ms. Built-in noise rejection circuit and built-in hysteresis enable the keyboard to offer a high degree of noise immunity and protection from key "teasing." Encoding capability is up to 10 bits for 110 keys and four modes per key. Selectable codes include ASCII, USASCII, Baudot, BCD, or EBCDIC. Scan time is externally adjustable from 10 to 80  $\mu$ s/key. N-key lockout or N-key rollover are available without additional components. **Cherry Electrical Products Corp.**, 3600 Sunset Ave, Waukegan, IL 60085.

See at Booth 1768

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### ONLINE MULTIPLE PROCESSOR SYSTEM

T16/210 and T16/240 system modules consist of 22-slot card cages capable of supporting two T16 processors with up to 320k bytes of semiconductor or 128k bytes of core memory. Dual interprocessor DYNABUS<sup>TM</sup>, processor boards, memory boards, I/O channels, cooling fans, and power supply are included. Up to eight device controllers can be installed in the system. Two system modules can be configured side by side to obtain a 4-processor system without program changes. The system can continue in operation while parts of it are replaced, repaired, or expanded. I/O structure is a microcoded processor controller, with block-multiplexed channels which can handle variable length transfers to buffered dual I/O port controllers. **Tandem Computers Inc.**, 20605 Valley Green Dr, Cupertino, CA 95014.

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### BUBBLE MEMORY DATA TERMINALS



Silent 700<sup>TM</sup> model 765 portable memory terminal and model 763 send-receive terminal come with 20k bytes of nonvolatile TBM 0103 bubble memory storage, expandable to 80k bytes in 20k-byte increments. Units can access any indexed record in memory in <15 ms; if the data location in 765 memory is not known (not indexed), the character string search speed is 1000 char/s, about four times the speed of a cassette search. The 765 has a full ASCII keyboard, built-in numeric cluster, thermal printer, acoustic coupler, carrying case, and powerful editing capability, and includes ASR functions. The 763 offers all capabilities for a fixed location. Data transmission speeds can be 9600 baud. **Texas Instruments Inc., Digital Systems Div.**, M/S 784, PO Box 1444, Houston, TX 77001.

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### COMPUTER SYSTEM

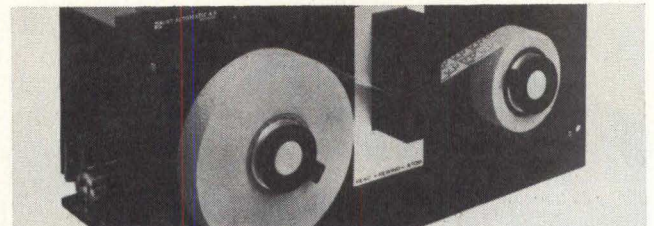
In its basic configuration, the 1400 series handles small to medium-sized business requirements, and can function as a standalone host or satellite processor. Hardware capabilities of the system 1400-2 include a high speed CPU; 16k char of user memory with system-dedicated main memory for a resident operating system; two interactive video terminals with 1728-char display; and sealed, fixed media, random access disc drive with 25M char of storage. Also included are a 300-line/min printer, and a large reel, 45-in/s (114.3 cm) magnetic tape unit with 1600 bits/in (629.9/cm). Expansion space is built-in to accommodate additional plug-in main memory and I/O devices. **Qantel Corp.**, 3525 Breakwater Ave, Hayward, CA 94545.

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### PAPER TAPE READER STATION

Designed to meet requirements of the numerical control industry, model 27 consists of reader, spooling equipment, and electronics in an integral unit. Buffer arms and capstans have been eliminated—the spooling equipment is the sole source of tape movement, thereby minimizing tape wear. Data are read automatically into the semiconductor memory when it is less than half full; even at reading speeds of 250 char/s the memory will not normally be emptied. The station will always provide an effective stop-on-character capability even when reading at 1500 char/s and a built-in counter ensures that no characters are ever skipped or read twice. **G N T Automatic, Inc.**, 440 Totten Pond Rd, Waltham, MA 02154.

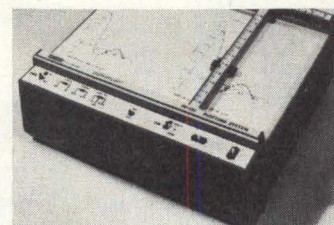


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### FLATBED TIMESHARE PLOTTER

Model DP-101, designed for remote timeshare applications, combines flatbed digital plotter with microprocessor controller. The 11 x 17" (28 x 43 cm) unit operates at 2" (5 cm)/s with a step size of 0.005" (0.01 cm). The controller



element features vector and character generation and 16 special centered symbols in addition to the company's previously available std character set. It also offers circle generation, enhanced vector length, and the ability to perform with an offline

tape cassette. Operation is at 110, 300, and 1200 baud with total interruption capability without loss of origin. Also on display are three models of the 36" (91 cm) wide DP-8, the DP-1, and the 22" (56 cm) wide DP-3 digital plotters, the MTR-4 magnetic tape reader, the PTC-5A-1 and 5A-3 controllers, and BTC-7 batch terminal controllers. **Houston Instrument**, 8500 Cameron Rd, Austin, TX 78753.

See at Booth 1193

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