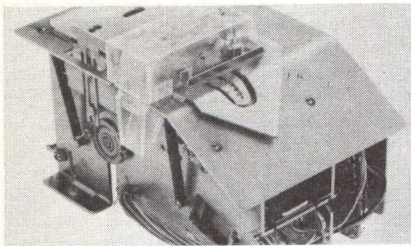


PROCESS COMPUTER

Model 340, hardware and software compatible with other model 300/16-bit systems, uses virtual addressing via high speed associative memories. Main memory expansions of up to 512K words are possible. High computing capacity of CPU is obtained with list of 321 instructions, including complete fixed-point and floating-point arithmetic. High system throughput is result of simultaneous operation between CPU and I/O processors. Ultra-fast buffers (cache memories) increase processing capacity. **Siemens AG**, Postfach 3240, D-8520 Erlangen 2, Federal Republic of Germany.

Circle 262 on Inquiry Card

PAPER TAPE PUNCH



Model 6110 features 4 x 4 x 6" size and rugged construction. A brushless dc motor contributes high reliability and low power consumption. The solid-state transistorized motor provides power for all tape-feed operations, allowing trigger magnets to perform triggering only. Operating at 50 char/s, the device is adjustable to accommodate five, six, or eight channels of 1, 7/8, or 1 1/4" ANSI std paper tape. Control circuit requirements are easily integrated into data I/O peripherals. **Epson America, Inc.**, 2990 W Lomita Blvd, Torrance, CA 90505.

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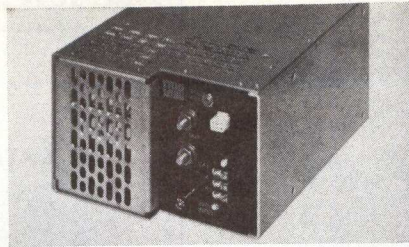
MEDIUM SPEED MATRIX PRINTERS



Plotter version of the series 900 printer allows a dot to be printed anywhere on the paper with horizontal resolution of 60 dots/in. and vertical resolution of 72 dots/in. Features include horizontal and vertical tabulation, forward and reverse 1/6, 1/2, or full-line feed, expanded char, internal 320-char buffer, and controllable automatic line feed from carriage return. Printer is available as KSR or RO terminal with switch-selectable rates of 110, 300, and 1200 baud. **Applied Computing Technology, Inc.**, 17961 Sky Park Circle, Irvine, CA 92707.

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SWITCHING POWER SUPPLY



With power/unit volume up to 2 W/in.³, 682 series can operate at full load for 20 ms after ac power is cut off, and delivers full load with input line voltages as low as 95 Vac (or 188 Vac). Various models provide dc output voltage from 2 to 48 V. Typ efficiency of 750-W, 5-V unit is 75%, increasing with higher voltage versions. Output regulation is $\pm 0.2\%$ for worst combination of line and load. Spikes and conducted interference have been virtually eliminated. **Trio Laboratories, Inc.**, 80 Dupont St, Plainview, NY 11803.

Circle 265 on Inquiry Card

DC SERVOMOTORS

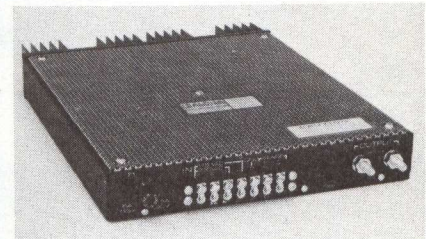
High torque model 6083-103, measuring 1.555 dia x 2.380 long, has stall torque of 23.8 oz-in. when excited with rated voltage of 24 V. Current at stall is 4.0 A; no load speed is 5050 rpm. Modifications in windings and mag circuit provide several other ratings as std. Either self-aligning

sleeve or ball bearings are available. Replaceable brushes are a std design feature. The unit is available with integral dc tachometer where velocity feedback is necessary for close control. **Transicoil, Inc., Commercial Products Div**, Worcester, PA 19490.

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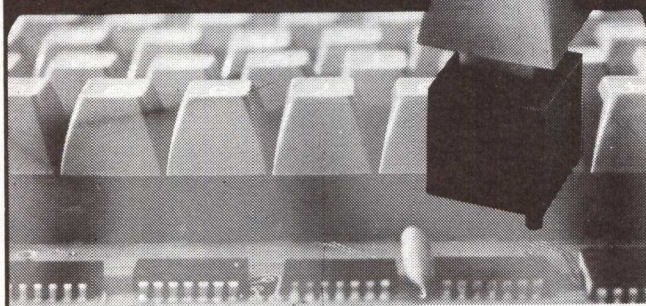
SWITCHING POWER SUPPLY

Low profile Flat-Pak 250 series, measuring 9 x 12 x 1 1/2" high, is available in ratings of 5 V at 50 A, 12 V at 21 A, 15 V at 17 A, 20 V at 13 A, and 24 V at 11 A. Convection-cooled units feature full rated output at 40°C without base-plate cooling. Specs include wide range dual input of 98 to 132/196 to 264 Vac at 47 to 63 Hz, regulation of $\pm 0.075\%$ max, ripple and noise spikes of 50 mV pk-pk max, typ efficiency of 75% foldback current limiting, and remote sensing. **Alpha Power Inc.**, 9020 Eton Ave, Canoga Park, CA 91304.



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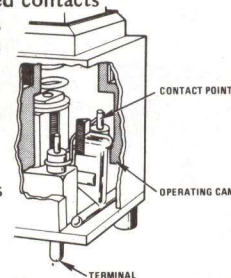
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