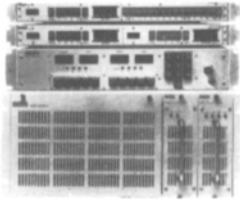


SOLUTIONS

MODULA® & MINI MODULA ROUTING SWITCHERS FROM BSM BROADCAST SYSTEMS



The Problems:

1. Expandability
2. Programming
3. Crosstalk

1. **Modula** Routing Switchers are the cost-effective solutions for your signal handling requirements. **Modula** offers ease of expansion from 8x8 to 256x256.

2. **Modula** features state-of-the-art soft-

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3. **Modula** crosstalk levels remain consistently low, regardless of system sizes.

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BSM products solve problems.



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LaVeZZi's reputation for precision components has been unmatched in the film industry since we first manufactured sprockets for cinema projectors in 1908. Our component designs have contributed to improvements in film presentation and reductions in film maintenance. The quality has improved equipment reliability.

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Our customers take pride in their LaVeZZi machined components. They know it contributes to equipment reliability. When you need quality components, ask for "Precision Machining Capabilities" and see how LaVeZZi Close Tolerance Components can improve your equipment reliability.



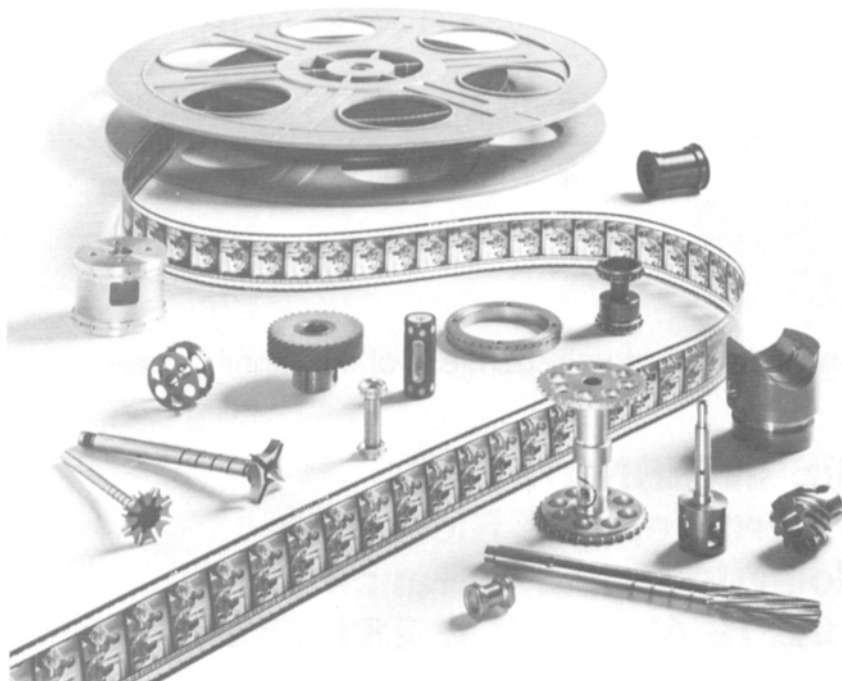
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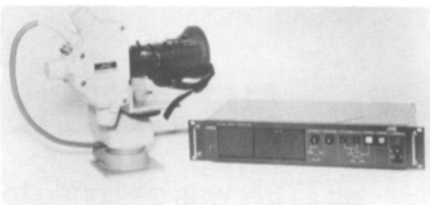
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Precision machined components for cameras, projectors, film and tape processing equipment.



New Products

Further information about these items can be obtained from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



JVC KY-M280U camera

A 3-tube camera has been introduced by JVC Co. of America, 41 Slater Dr., Elmwood Park, NJ 07407. The small, lightweight KY-M280U is controlled from a remote CCU. With its 1/2-in. Saticon® pickup tubes, the camera's refined f/1.4 RGB prism optical system and +9-dB gain circuit produce horizontal resolution measuring up to 650 lines at center. Minimum illumination is 65 lux (6.5 fc) at f/1.4 (+18 dB, video output level 70%). The KY-M280U camera features a video signal-to-noise of 55 dB, genlock circuitry, and microprocessor-based automation. Improved color reproduction is achieved through automatic matrix masking.

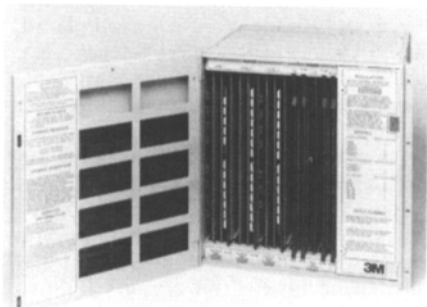
The V-2000 computer animation system has been announced by Vertigo Systems International Inc., 119 W. Pender St., Vancouver, British Columbia, Canada V6B 1S5. The V-2000 is a stand alone workstation intended for 3-D graphics animation. Its Iris graphics terminal provides interactive wire-frame object modeling and choreography, with user input via a digitizing tablet and stylus. The system also gives the user the ability to render multiple frames simultaneously. The V-2000 computer animation system interfaces to a variety of video and film equipment.

The DAS 9200 modular digital analysis system and the HC01 and HC02 video copiers have been introduced by Tektronix, Inc., P.O. Box 500, Beaverton, OR 97077. The 9200 places powerful acquisition and stimulus tools in a mainframe-based system, at the heart of which is a 156-line high-speed application bus. The high-speed bus is used for transferring information within and between instrument modules. The lines are capable of 250-MHz event transfer, 1-ns speeds, and 800-ps propagation delay. Module interac-

tions include time correlation, interactive "ping pong" triggering between modules, real-time state machine interactions, and acquisition/pattern generation interactivity.

Tektronix's video copiers provide high-speed, high-resolution, black-and-white prints of waveforms or computer graphics displayed on instrument CRTs, television screens, or PC monitors. The HC01 and HC02 are thermal-head units which accurately reproduce halftones and generate intermediate levels by electronic dither. The HC01 makes prints in 17 sec, while the HC02 turns out prints in 21 sec.

A time-division video multiplexer and a video scan converter have been placed on the market by Colorado Video Inc., P.O. Box 928, Boulder, CO 80306. The multiplexer can integrate up to four separate video sources, then transmit them over a single broadcast channel. Colorado Video's converter, the Model 494, converts 525-line, 2:1 interlaced standard format into 525-line 30-Hz sequential scan format; the instrument also does the reverse. During the conversion process, data is entered into a memory in the input format while data is being read from the other in the output format. At the end of each frame of video, the functions of the two memories are reversed, resulting in continuous conversion with a one-frame delay.



3M routing switcher matrix

The Series H 32x32 routing switcher has been introduced by 3M, P.O. Box 33600, St. Paul, MN 55133. The switcher provides 1 video and 1, 2, or 3 audio switching levels in the same enclosure. The design allows a user to install a frame configured to meet initial needs such as a 20x20 1 video, 2 audio and provide room for expansion to 32x32 1 video, 3 audio within the metal frame by means of plug-in modules. The switcher features I/O ports for RS232 computer terminal control, and standardized I/O protocol to allow for external CPU control by a variety of devices.

A mixer has been introduced by Audio Services Corp., 4210 Lankershim Blvd., North Hollywood, CA 91602. The ASC-MX4S-2 features RF filtering, 4-step in-

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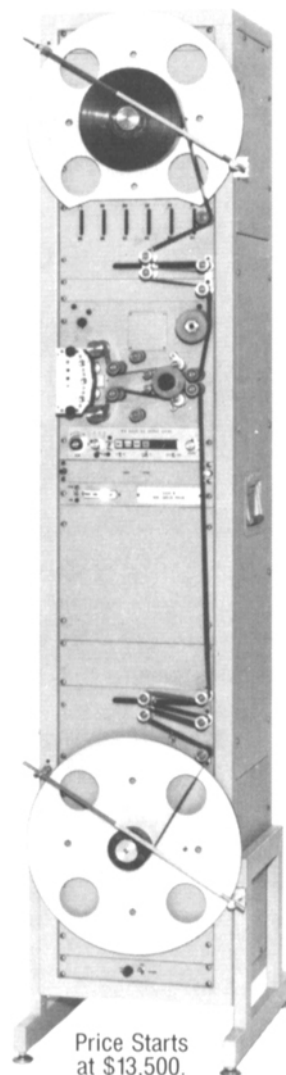
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Audio Services ASC-MX4S-2 mixer

put pads (0, 10, 20, and 50 dB), and internal battery pack powering. Its gain structure allows 10 dB more dynamic range at the channel faders. Options to the ASC-MX4S-2 mixer include adjustable output limiter, transformer input and output, and mid-range EQ.



Rohde & Schwarz audio analyzer, UPA

An audio analyzer, UPA, has been introduced by Rohde & Schwarz-Polarad, Inc., 5 Delaware Dr., Lake Success, NY 11042. The unit, a system-compatible broadband level meter and psophometer equipped with integrated frequency meter, measures audio equipment in the 10-Hz to 100-kHz range. The UPA is equipped with selectable highpass, lowpass, weighting filters, and rectifiers. Also standard are fully floating balanced and unbalanced inputs and outputs for two channels (left and right). The analyzer can be expanded through options to form a complete audio test system with synthesizer generator and wow and flutter meter, along with an automatic distortion meter for the measurement of total and individual distortion factors (d2 to d9) and Sinad values.

A series of film cleaners has been announced by Kinetronics Corp., P.O. Box 6178, Sarasota, FL 33578. The StatiVac film cleaners neutralize static, remove dirt and lint, and leave negatives clean and sharp for quality printing. The 12 models in the series utilize an ionization system to discharge static. After static is eliminated from the film, the debris is removed by way of a "vacuum" action capability. The StatiVac film cleaners do not necessitate an air compressor or external power pack for their operation, and are darkroom safe.

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C. Total paid and/or requested circulation (Sum of 10B1 and 10B2)	9,627*	9,893†
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Jeffrey Friedman, Editor