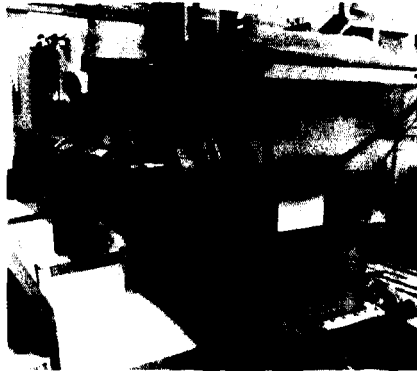


# NEW PRODUCTS AND DEVELOPMENTS

The **CHEMELEC Cell**, a silver recovery system for motion picture film, has been announced by Rank Precision Industries Inc., 260 North Route 303, West Nyack, NY 10994. The system, based on a technology developed in the United Kingdom, features a fluidized bed comprising thousands of inert glass beads which continuously circulate between the cell electrodes. The process involves no moving parts beyond one pump for bead agitation which means less strain on equipment, less downtime and maintenance and lower energy consumption.

The fluidized bed action agitates and scours directly at the electrode surface. The process works at silver concentration levels to ppm instead of the higher levels normally required to avoid "sulfiding." High purity levels (99.9%) are achieved as silver is extracted from the fix solution.

Two types of cells are available, a "P" type with either a 10 amp or 50 amp power pack with five cathodes about 9 x 9 in, each collecting about 12 lb of silver before



replacing or desilvering, and a type "S" cell with six stainless steel mesh cathodes with 100 amp or 500 amp power packs. Using lower current densities than alternate methods, the CHEMELEC Cell causes negligible chemical breakdown of the fix solutions which can be reused, and achieves higher efficiencies of silver removal even at low levels of concentration.

Prices for the CHEMELEC Cell units range from about \$10,000 to \$20,000 depending on the size and capacity of the units.

The **Marconi B3410**, a solid state telecine machine, has been announced by Marconi Communication Systems Ltd., Marconi House, New Street, Chelmsford, Essex CM1 1PL, England. The camera tubes or flying spot tubes of previous designs have been replaced by three linear-array silicon CCD image sensors. Operating on PAL, NTSC or SECAM standards, or with RGB or digital output, the telecine has been designed specifically for broadcasters. It is easy to operate and has the inherent reliability and stability of digital circuitry.

To complement and exploit fully the characteristics of the line sensor, virtually all the video signal processing is carried out digitally. To ensure accuracy, the three video signals use 11-bit sampling before gamma. The use of digital circuitry ensures precisely defined, drift-free operation.



A microprocessor control system is used to set up gamma correction, aperture correction and other basic parameters and also supports the automatics. It monitors continuously the control panel states, film transport and automatic controls and routes the appropriate commands to the video chain and projector light control servos. Built into the system is a monitor program which permits rapid checks with diagnostic aids.

The **BVT-800 digital time base corrector** for use with U-matic format videotape recorders has been announced by Sony Video Products Co., 9 W. 57 St., New York, NY 10019. Features include a 15-line window and 8-bit quantization, with sampling at

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three times the color subcarrier frequency. Processed or subcarrier feedback modes are switch selectable. Its high-speed picture search offers viewable pictures at up to 40 times normal speed. The unit contains a built-in processing amplifier, genlock sync generator, one-line digital DOC, differential gain-compensator, and it is fully remote controllable.

The Model 820 computerized tracking camera system for animation applications has been announced by Elicon, 254 Viking Ave., Brea, CA 92621. The system consists of a 20-ft I-beam track, the Model 825 motion control system with computer, dual floppy disk drive, terminal and software, a camera pedestal and track drive with camera follow focus mount and x-y lens board, camera motor and mechanical linkage for camera drive. Follow focus, track and x-y lens board motors are included. Only the camera is supplied by the user. A one-week training course in the system's use is included in the package price of \$64,000. Track zoom, camera motor, lens board north-south and east-west as well as programmable follow focus are standard. Three spare axes are provided for model or artwork movement. Because of its modular design, the system can be expanded at any time to a maximum of 64 axes.

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