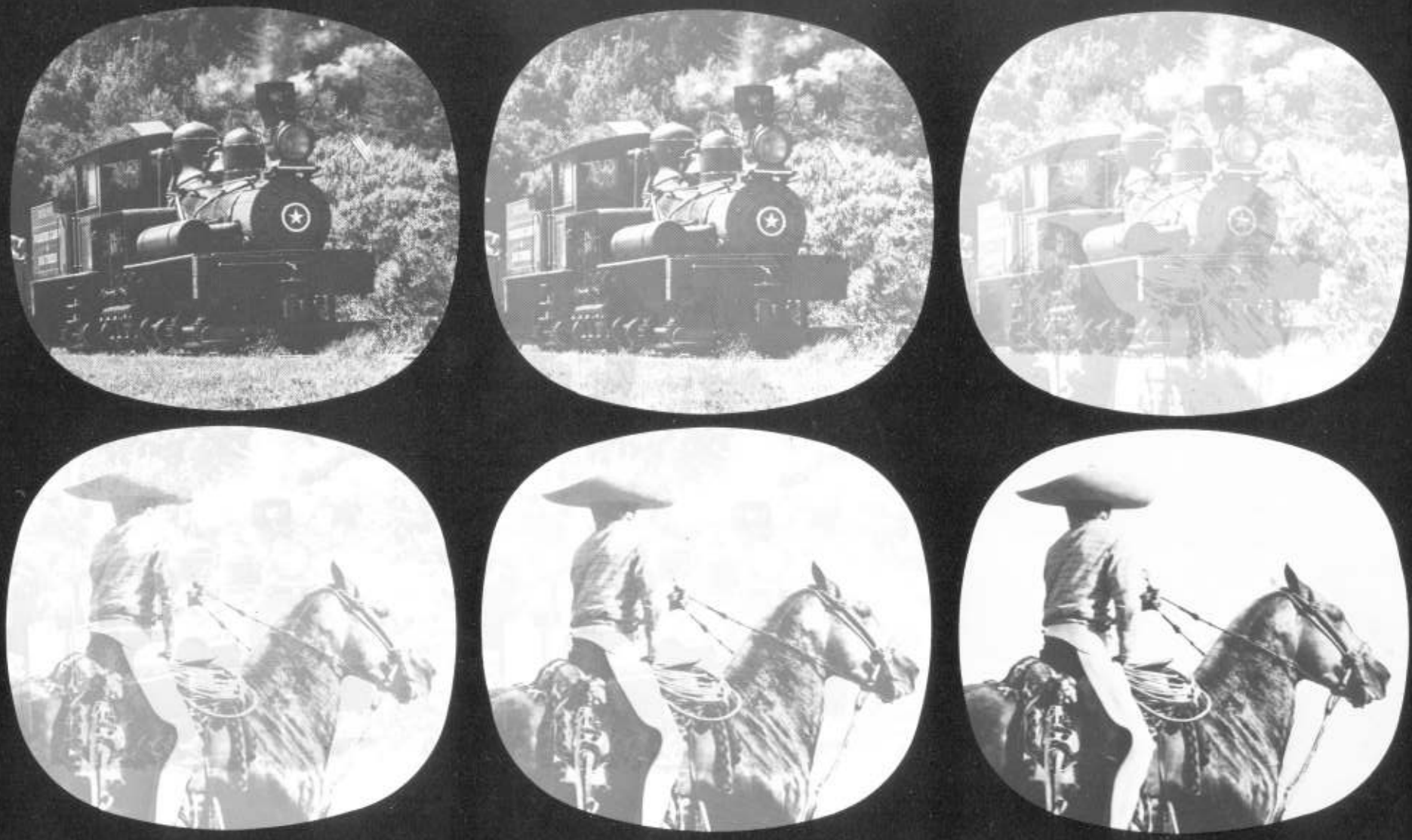
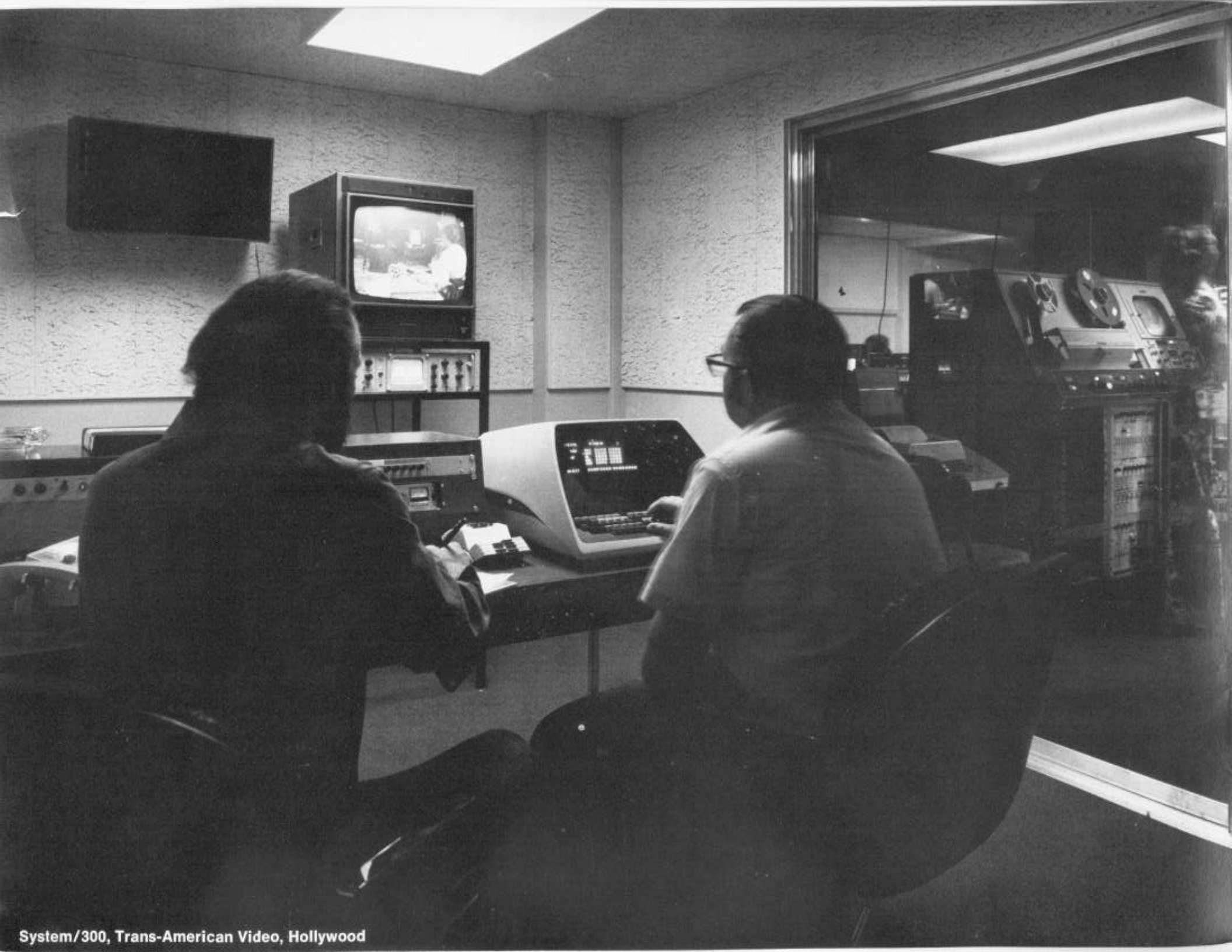


CMX SYSTEMS/300 & 400

for computer-assisted video tape editing.



System/300, Trans-American Video, Hollywood

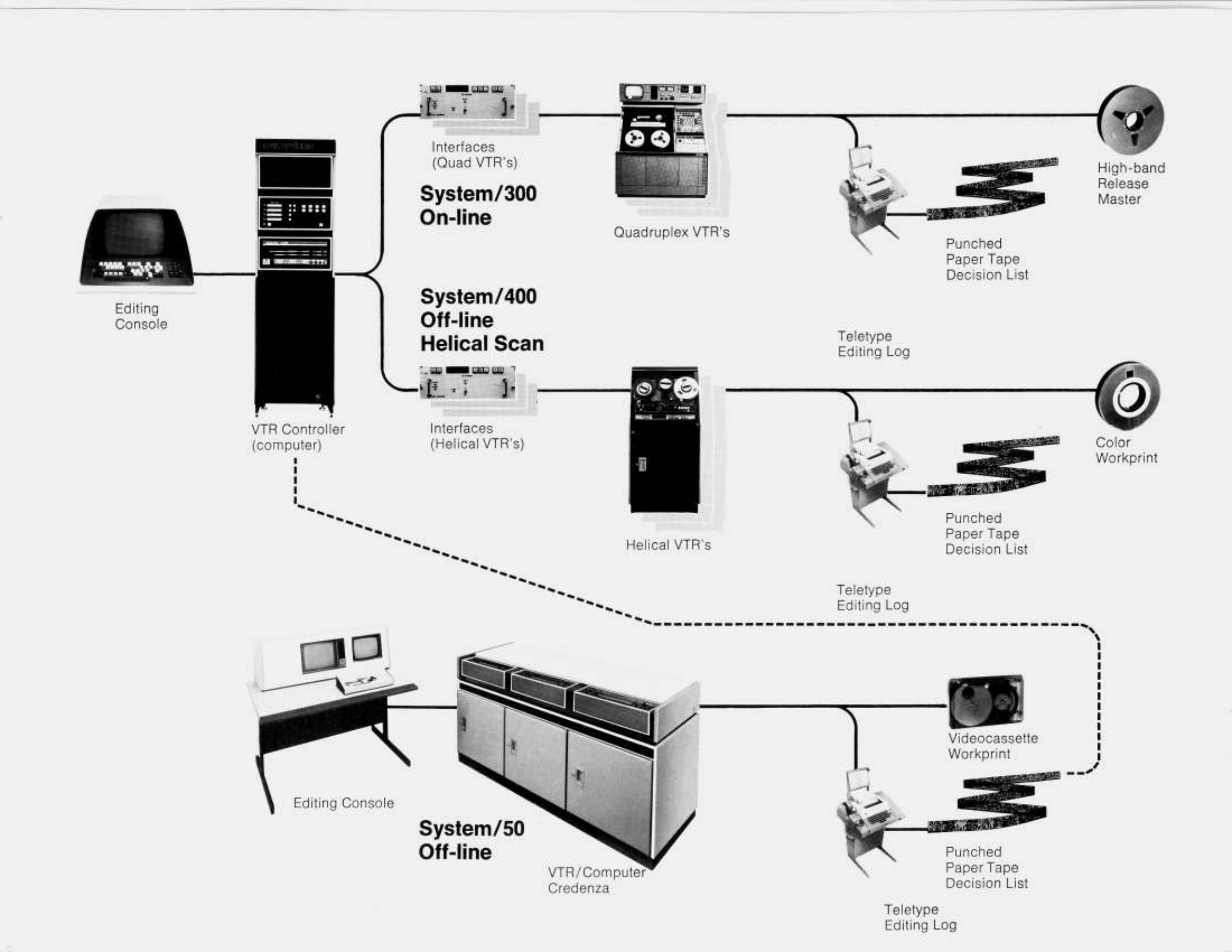
The advantages of computer-assisted video tape editing.

CMX systems are designed to maximize utilization of both equipment and talent in video production and post-production facilities. Through a combination of the most advanced hardware and computer programming, CMX offers the editor a simple, efficient, systems approach to video tape editing and the production of a final air-ready master. With versatility and standards of quality unequalled in either computer-assisted or non-computer-assisted editing systems.

FEATURES:

1. On-line immediacy or off-line economies. CMX offers them both. System/300 operates existing on-line quad VTRs. System/400 operates economical off-line helical VTRs. System/300/400 provides the operating features of both. However you choose to edit, the systems permit auto-assembly of the edit decision list.
2. Modular flexibility which allows the production or post-production facility to buy only the system or portion of a system which is immediately cost-effective. Then expand to a full system capability as required . . . in compatible on-line and/or off-line systems.
3. Uses SMPTE time code for frame identification; capable of operations in either "drop-frame" or "non-drop-frame" mode.
4. The ability to edit rapidly, with single frame acuracy and complete control of the final edited product.
5. System/300 offers automatic color framing. a feature never before available in a computer-assisted editing system.
6. Fast re-edit capability that includes automatic revision of any previous edits made in the work tapes.
7. Automatic control of effects: Dissolves. Keys. Wipes or fades.
8. Auto-assembly of the 2" highband air release master.
9. Total creative control through the ability of CMX systems to interface with audio-recorders, slow motion disc recorders and film chains.
10. From both monetary and creative standpoints, CMX editing systems increase the speed of electronic editing. Faster editing means maximum utilization of equipment and resources. And as in any business — time is money.

Presented to CMX Systems in 1973 by the American Academy of Television Arts & Sciences
For the development of a video tape editing system, utilizing a computer to aid the decision-making process, store the editing decisions and implement them in final assembly of takes.


Interfaces
(Quad VTR's)
System/300
On-line
Quadruplex VTR's
High-band
Release
Master
Punched
Paper Tape
Decision List
Editing
Console
System/400
Off-line
Helical Scan
Teletype
Editing Log
VTR Controller
(computer)
Interfaces
(Helical VTR's)
Color
Workprint
Helical VTR's
Punched
Paper Tape
Decision List
Teletype
Editing Log
Videocassette
Workprint
Editing Console
System/50
Off-line
VTR/Computer
Credenza
Punched
Paper Tape
Decision List
Teletype
Editing Log

CMX System/300 is the most advanced **on-line** quadraplex video tape editing system presently available to broadcast and post-production facilities.

As an editing tool, it is both easy to learn and simple to operate. This simplicity of operation allows the editor a maximum of creative freedom throughout the entire editing process, while at the same time minimizing the technical activity of the editor in working with his medium.

The System/300 interfaces directly with existing quad VTR equipment.
The editing console and control processor provide computer-assisted control of the VTRs and/or other special equipment interfaced with the system, and executes all of the commands the editor initiates from the editing console.

The System/300 is a practical, reliable video tape editing system which significantly improves the editing and post-production capabilities of broadcast and post-production facilities throughout the United States and Europe.

CMX System/400 utilizes **off-line** helical recorders. Editing thus takes place at lower cost and without interrupting production work on quadruplex VTR's.

Editing decisions may be made in editing rooms apart from the primary VTR area.
As in the System/300, the system printer provides a hardcopy printout of all edit decisions, together with a punched paper tape containing the edit decision list for use in later program assembly on a System/300. In this fashion, quad VTR equipment can be more effectively scheduled to complete program assembly and the production of the final air-ready master tape.

Like the System/300, the System/400 is modular in concept, simple in operation and designed to offer the editor complete flexibility and control — while significantly reducing or eliminating the mechanical aspects of the editing process. As an off-line system, the System/400 offers significant operating cost savings over on-line systems.

CMX System/50 is a complete, **stand-alone** computer-assisted, practically-priced, editing system.

An entirely new approach to video tape editing
CMX System/50 will perform most of the functions of CMX's other on-line systems. Edit and display controls are similar to the System/300 and System/400. (Which means they're easy to learn and easy to use.) What's more it offers the speed and simplicity of a computer-assisted video tape editing system at a price any studio or post-production house will find something more than just attractive.

Videocassette simplicity
System/50 is the first off-line editing system using ¾-inch videocassettes — with cassette convenience and reliability. The editor may work alone, without additional technical assistance.

Color workprint and punched paper decision list
When editing is complete, the CMX System/50 offers a color workprint for client approval and a punched paper decision list from which the final release master may be auto-assembled on the CMX System/300.

All you need is an 8′ x 10′ room and a 117v outlet
Occupying less than 26 square feet of floor space, System/50 offers the opportunity to establish quiet, self-contained editing centers apart from the distractions of production.

Complete control from a central console
for all CMX systems.

System/300 & System/400 in operation.

CMX systems are designed for the video tape editor. Decision control is simple, straightforward and easily learned. The editor edits through the central control keyboard. CMX manipulates all equipment automatically.

1. Motion control of VTR transports
Five clearly marked keys, REWIND, FORWARD, STOP, PLAY and CUE control the VTRs. The keys may be operated in any sequence without restriction or risk of damage to program material.

2. Cueing
The CUE key at the control console will cue any sequence to a SMPTE time code location.

3. Mark and Set
Edit points may be "marked" while the tape is in motion. The computer will automatically store the "mark" point. Edit points may be "set" in by entering the frame code via the keyboard. In both cases, the status is reported and displayed on the display screen of the console.

4. Trim
Trim function permits the editor to quickly adjust the edit points. The editor may thus adjust edit points to occur earlier or later than previously marked.

5. Constant
A "constant" register expedites frame code calculations and the entry of repetitive time codes. The constant register may also be used to store an alternate edit point, marked on-the-fly.

6. Edit Mode Selection
Audio/Video, Audio-Only, or Video-Only edits may be selected at the keyboard. The mode selected is always displayed on the console display.

7. Transition Type
The editor uses the keyboard to select the type of transition desired. The transition may be either a cut, dissolve, wipe or key. The operator chooses the direction of the effect by means of a simple numerical code.

8. Split Edit
An audio-video split edit function is provided to allow the editor to delay either audio or video during a "both" edit.

9. Preview, Record, Replay
A rehearsal of edit decisions may be made by selecting the preview function:

Preview: Black-Video-Black is used to preview a scene from a source tape.

Preview: Video-Black-Video previews an insert location on the record tape.

Preview: Video-Video-Video is used to see a planned edit played back in combination with the record tape before committing the sequence to recording. Edit sequences may be recorded and replayed immediately.

10. Printout
A hardcopy record of the edit decisions as they are recorded is provided by the system printer. The format contains the event number, the reel number, edit mode, edit type, playback source start-and-stop times (in frame code). Also reported is the record start time (in frame code), either the record stop time (in frame code), or the edit duration (in real time), selected at the editor's option at the beginning of the session. This printout is an invaluable working tool for the editor and provides a log of the entire editing session.

11. Notation
By depressing the NOTES key, the operator may enter a line of text which can be used for later reference when re-editing or reviewing the editing sessions.

12. Auxiliary Input
The auxiliary input feature allows the editor to insert material from a non-synchronous time code source such as a live camera or film chain.

13. Optional Slave Mode
This feature offers the option of creating a master/slave relationship between a VTR and an audio tape recorder or between two VTRs.

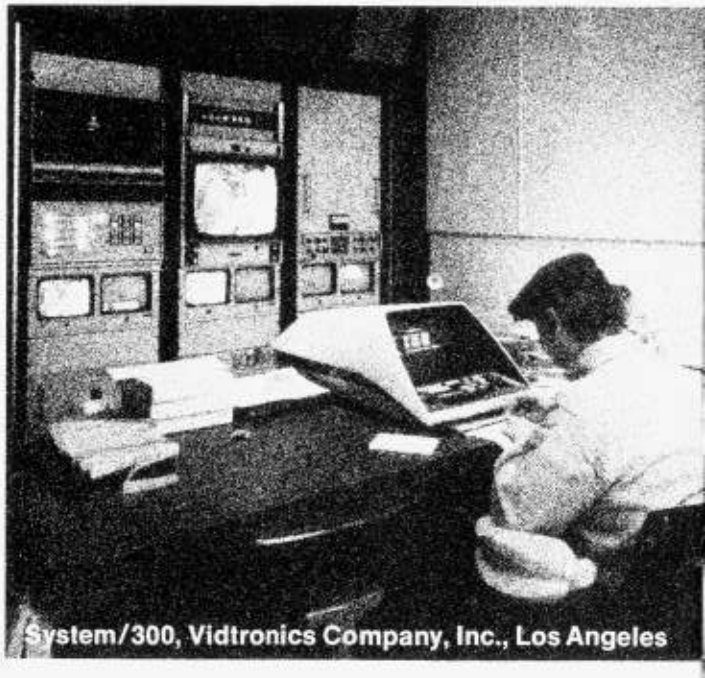
System/300, NBC, Burbank

System/300, Consolidated Film Industries, Hollywood

System/ashville

System/400, NBC, Burbank

System/300, Rank Film Laboratories, London



System/300, Vidtronics Company, Inc., Los Angeles

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