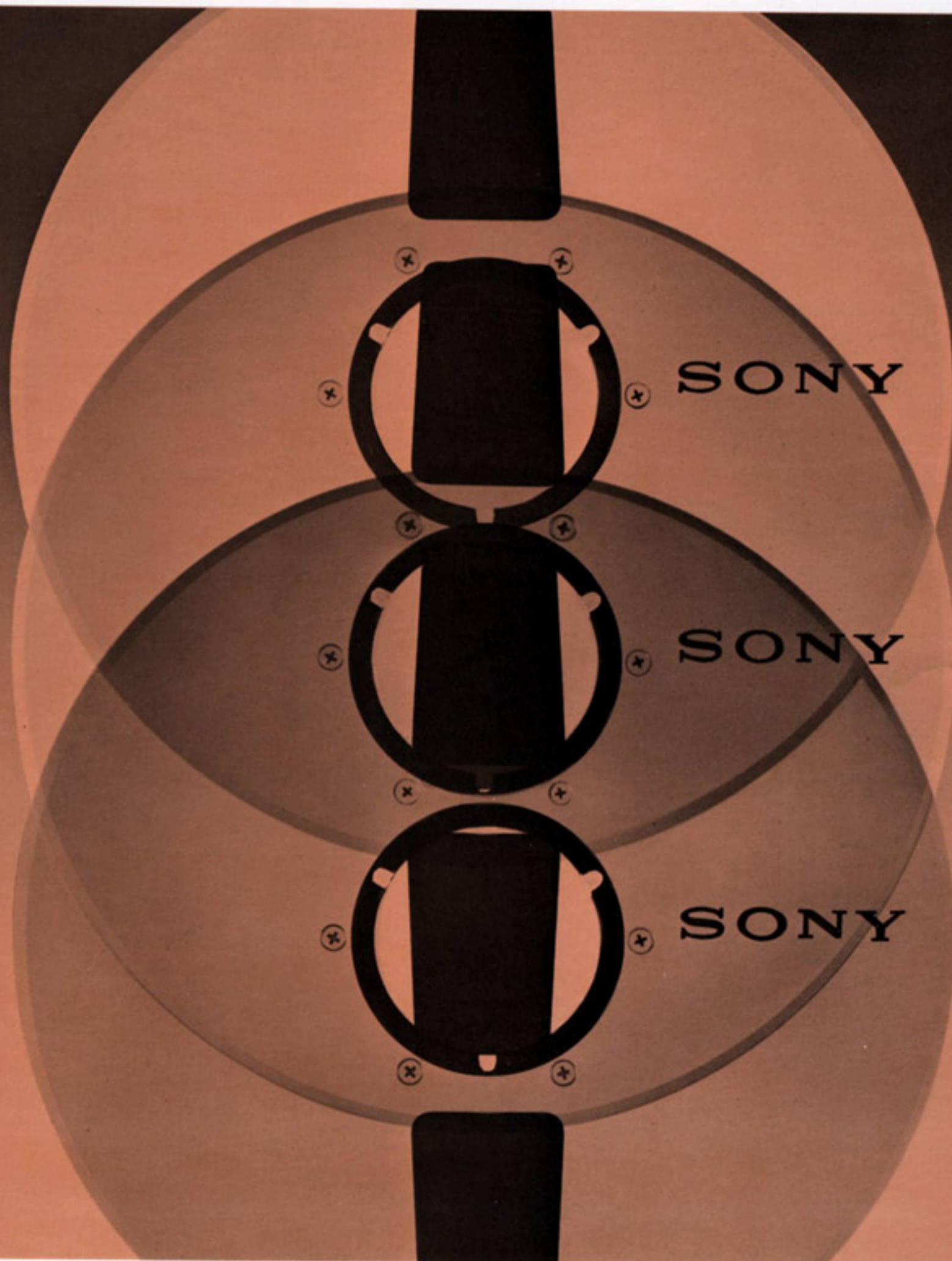


MASTER VIDEOCORDER[®]

MODEL MV-10000 FOR VIDEOCASSETTE* PROGRAM ORIGINATOR



*Trademark of SONY CORPORATION

SONY[®]

MASTER VIDEOCODER

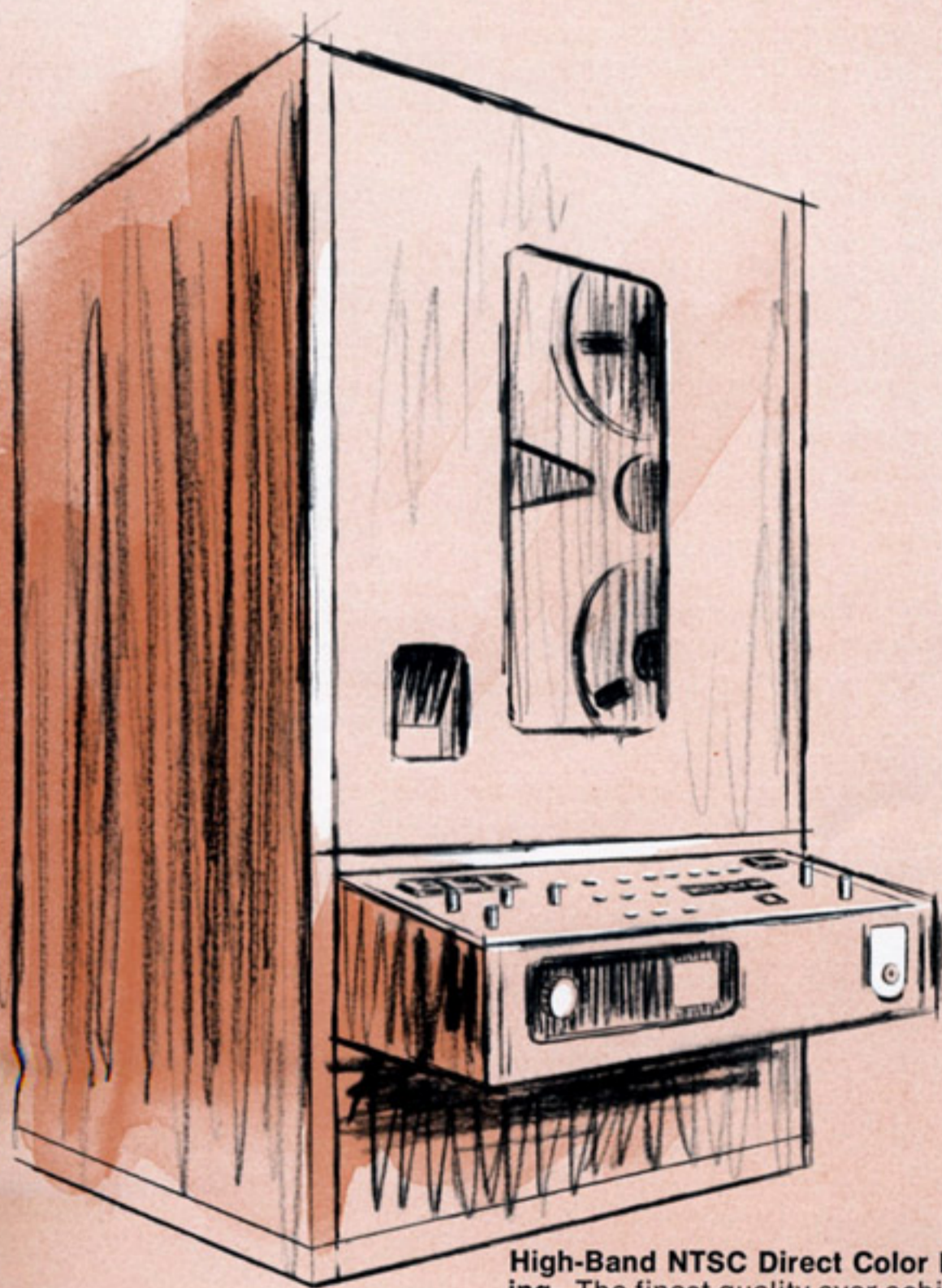
MODEL MV-10000 FOR VIDEOCASSETTE PROGRAM ORIGINATION

In keeping with its tradition as a world leader in the development and manufacture of the finest video products, SONY is proud to introduce still another innovation to the video industry . . . the MV-10000 Master Videocorder for VIDEOCASSETTE program origination.

At last, SONY research and production know-how has answered the crying need of the burgeoning VIDEOCASSETTE market by providing the industry with a totally new concept in VTR design. For the first time, VIDEOCASSETTE program producers have available to them a heavy-duty Master Videocorder which has been precision-built to provide long lasting reliability. The MV-10000 will produce high-band color video tapes whose high-level of picture quality is comparable to the highest priced, most sophisticated VTR on the market. But that is where the comparison ends . . . SONY's Master Videocorder comes to you as a compact unit that is easy to operate, easy to maintain, and at a price that makes it a major breakthrough for those who produce programs for the VIDEOCASSETTE market.

The MV-10000 Master Videocorder, in conjunction with a unique color camera, printing system and VIDEOCASSETTE player, completes the SONY "TOTAL VIDEO SYSTEM" concept . . . as we enter a whole new era of the video age.

FEATURES:



High-Band NTSC Direct Color Recording—The finest quality ever achieved by any slant track video tape recording.

Multi-Generation Dubbing Capability—Dubbed to 4th generation without any practical loss of quality, which assures professional quality electronic editing or assembly.

Reference Sync Servo System—Extremely stable picture is obtained. Versatile external sync drive allows superimposing or switching with other video sources.

Double Heterodyne System—Produces high quality color picture.

Special 1.5 Video Head System—No need to worry about color banding noise, venetian blind effects, or any similar problem caused by multiple video heads. Also minimizes dropout with better tape to head contact system.

Tape Economy—Approximately 60% of existing 4 head VTR.

Stereo Sound Recording—A definite requirement for future video systems.

Direct Color Process—With optional video phase stabilizer and color phase stabilizer.

Compact Lightweight Design—Makes transportation and installation easy.

System Adaptability—For standard EIA 19" rack mount. Standard connections and signal system.

Most Advanced Video Tape—Chromium dioxide tape (or equivalent) for best picture quality.

Complete Editing Versatility—Insert and add; video with rotary erase head; audio, video, and cue can be edited independently.

Time Base Stability—Meets or exceeds RS 170 specification of EIA. Less than 0.5 micro seconds deviation in horizontal mode, relative to reference sync.

Dropout Compensator—Newly designed, built-in dropout compensator.

SONY MASTER VTR MODEL MV-10000 TECHNICAL SPECIFICATIONS

GENERAL

Tape: 2" Chromium Dioxide or Equivalent
Reels: EIA 10.5" Max.
Rec. Time: 93 min. with 10.5" reel
Video Rec. Format: 1.5 Head
Tracks: Audio 2; Cue 1; Ctl 1; Video 1
Start Time: 2 sec. from stand-by Mode
FF Rwd: 180 sec.
Weight: approx. 198 lbs.
19" Rack Mount: Vertical or Horizontal
Color: Double Heterodyne System
Audio Channels: Available for stereo
Tape Speed: 8.58 ips

CONTROLS

Tape Motion Control: Full electrical push button of all tape transport including edit function
Record Level Control: 1 for video; 2 for audio; 1 for cue
Timer: Reads tape passage in minutes and seconds
Tracking Control: (Manual)
Tape Tension Control: (Audio/Manual)
Edit:
(a) Edit video with rotary erasehead
(b) Audio, video, cue and selected channels can be edited separately
(c) All channels can be edited in both "ADD" and "INSERT"

PERFORMANCE CHARACTERISTICS

Video band width:
(both monochrome and color): ± 0.5 dB 30Hz to 4.2 MHz Less than 3 dB down at 4.5 MHz
Signal to Noise Ratio:
(a) 49 dB p-p signal to RMS noise
(b) 43 dB p-p signal to RMS noise at 4th generation in video to video dubbing
DG: Less than 3%
DP: Less than 3°
H.V. tilt: Less than 2%
K Factor: Less than 2% at 2T pulse
Time Base Error: Meets or exceeds EIA RS-170 Less than 0.5 micro seconds in Horizontal Mode Relative to Reference Sync
Wow and Flutter: 0.07% R.M.S. (0.6 Hz to 250 Hz)
Audio Bandwidth: Both CH 1 and CH 2, 50 Hz—20 KHz ± 2 dB
Cue Channel Bandwidth: 50 Hz—10 KHz ± 3 dB
Audio Channel S/N: Both CH 1, CH 2 53 dB
Color Moire: More than 40 dB down measured with color bars of 75% saturation
Drop Out Compensator—Built in
Color Proc. AMP—Built in
Input Level: 0.5 to 2.0 Vp-p 1.0 Vp-p nominal
Output Level: 1.0 Vp-p into 75 OHM line
Head wear: More than 500 hr., Easy to change, Perfect interchangeability.

Note: Specifications subject to change without notice.

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