

- AUDIO, general



1979
1980



G O T H A M

HISTORY

It was the 29th of August 1957 when Stephen F. Temmer, founder and president of GOTHAM, was introduced to the NEUMANN Company in Berlin on the occasion of an official visit on behalf of the Voice of America. They amazed him with the very first stereophonic records cut with their equipment, and the rest is history. There followed GOTHAM's appointment as the exclusive U.S. representative for all of NEUMANN's disk cutting equipment, and soon after, this was expanded to include their world-famous condenser microphone line as well.

As time went on, GOTHAM obtained the U.S. and Canadian representations for the products manufactured by ALBRECHT, BEYER, DANNER, EMT, EUROPAFILM PLATING, KLEIN + HUMMEL, LYREC, NTP, PYRAL, STUDER, TELEFUNKEN, and WOELKE, most of which GOTHAM still represents to this day.

A West Coast Office, at the corner of Hollywood & LaBrea, was established in 1960 and serves the needs of the enormous recording industry complex in Southern California.

1969 saw a further expansion of GOTHAM into the leasing business with the founding of TELDEN LEASING which has provided venture capital for many of today's most successful disk mastering and plating facilities. Without TELDEN's support, most of them would never have been able to enter these sophisticated technology areas, since the usual financing channels have little understanding for a \$150,000 set-up that cuts master lacquers and which is run by someone in his early twenties. GOTHAM EXPORT CORPORATION was founded in 1972 to take advantage of our world-wide family of representatives, most of whom carry the same lines of professional products. Export has flourished on an unprecedented scale representing such companies as ALLISON, AMBER, INOVONICS, LEXICON, MRL, SWITCHCRAFT, UREI, and WESTON.

In 1973 GOTHAM moved into its own two-story building in the West Village where its staff has available the most modern communications, lab and demonstration facilities.



PHILOSOPHY

Ever since its founding in 1957, Gotham has tried to be "all things to *some* people," while most other suppliers of our industry try to adhere to the time-worn slogan of "all things to *all* people." In a highly profit-motivated world filled with manufacturers attempting to attract a mass market by watering down good engineering with inferior materials and workmanship, it is good to know that there are still companies of the Old World tradition, owned by people devoted to their craft, who find personal satisfaction in the excellence of equipment made in limited quantity for a discriminating world-wide clientele painfully aware of the *true cost* of inexpensive merchandise.

Many of these manufacturers bear the name of their single owner. Gotham Audio, also a one-man ownership company, devotes itself to engineering advice and the dignified distribution and service of their products. Not price but excellence, craftsmanship and serviceability are the criteria on which Gotham bases its choice of companies to represent.

LEASING

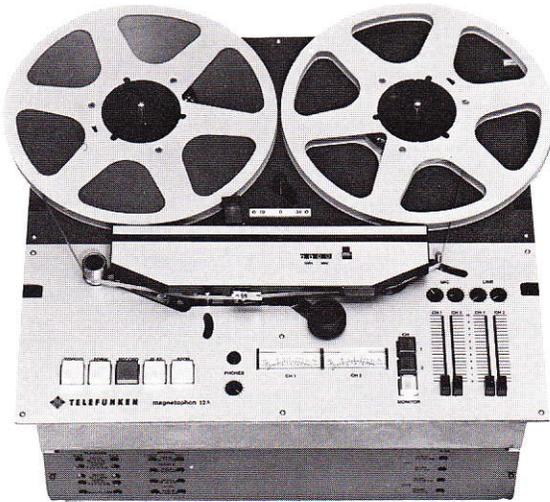
Gotham's TELDEN LEASING DIV. provides financing for all equipment sold by Gotham and permits packaging of related equipment from other sources under a single financing arrangement. The usual financing and leasing organizations have little understanding for the workings of the recording industry and do not provide venture capital at all. TELDEN is able to evaluate the business acumen of potential clients, and on the basis of this, may make available leasing terms where such might not be possible from other sources. A brochure is available which fully explains TELDEN's leasing program.



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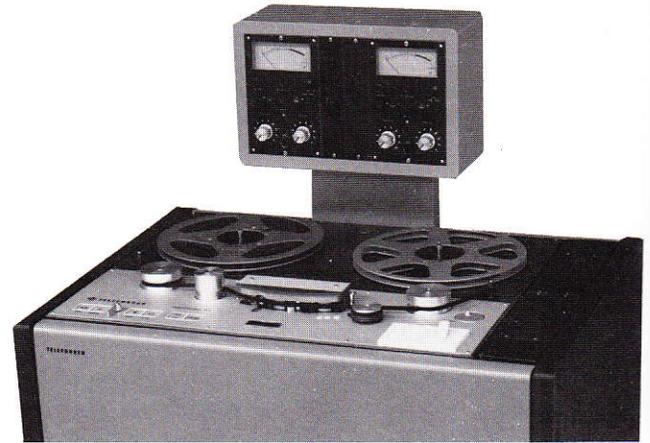


TELEFUNKEN



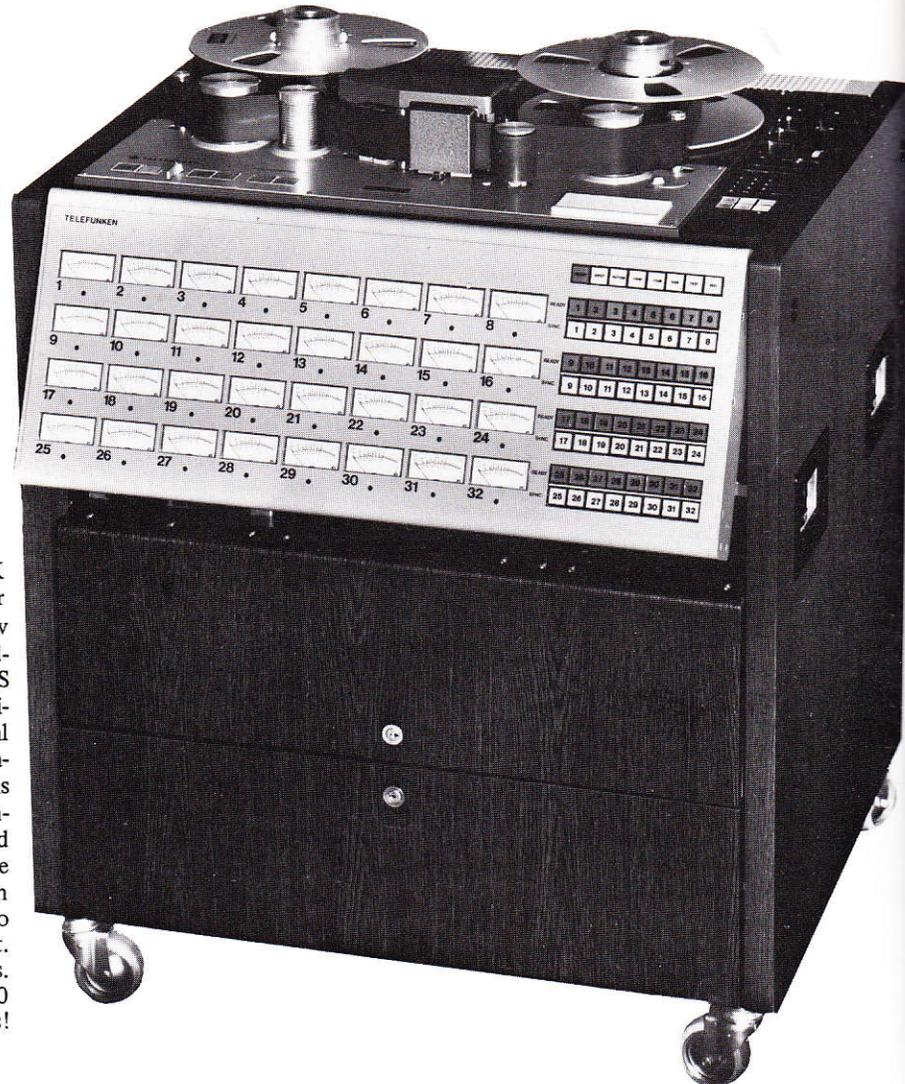
M 12A "Magnetophon" Tape Recorder

At last a professional tape machine designed solely for 1/4" tape, without the compromises necessary to "adapt" to 1/2" widths, and with newly designed motion logic. Fully self-contained in a single 19" rack mountable unit built on a heavy die cast frame usually found only in much more expensive recorders. Traditional belt driven, large diameter capstan with fly-wheel result in the lowest weighted peak flutter of any machine on the market today (typically $\pm 0.03\%$). 3.75/7.5 and 7.5/15 ips models all with the same large capstan diameter. Built-in four-input phantom powered mixer with full metering is an option also retrofittable later. Heads and sintered ruby tape guides are guaranteed for 15 years! Console, portable and rack mounted versions available.



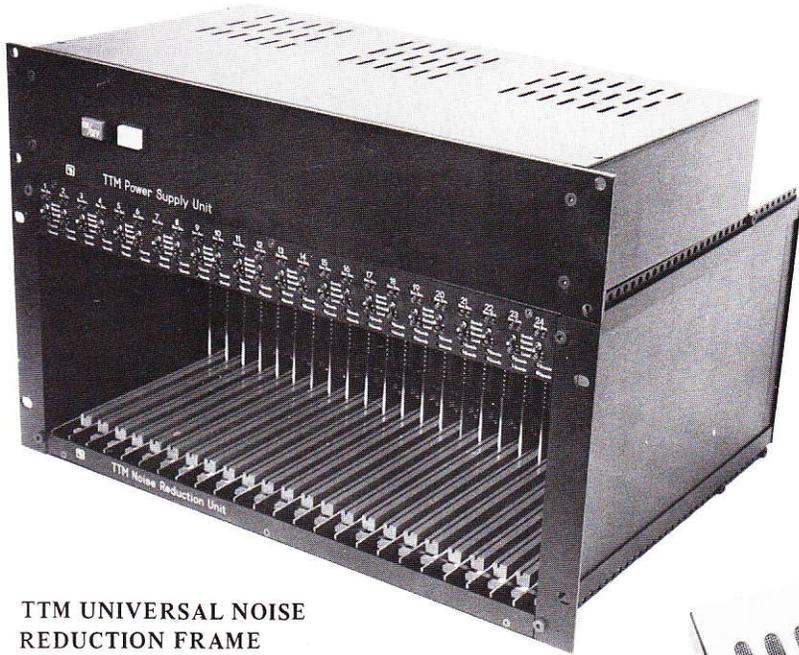
M 15A (1/4") "Magnetophon" Tape Recorder

The world's most advanced Master Recorder featuring C-MOS technology throughout. Crystal controlled 131 kHz erase/bias oscillator also locks in the Hall-effect capstan motor to perfect speed. Digitally timed record/bias/erase functions provide space and click-free drop-in ability. Not a single switch contact in the entire unit—even the control buttons use sensors! 7.5/15 or 15/30 speeds with 100 meter spool capacity (1 1/2" dia.). Digital timer. Full auto-locator and capstan servo remote accessories.



M 15A MULTI-TRACK "Magnetophon" Tape Recorder

Introduced to the industry in 1978 and now operating at such studios as Allen Zentz Recording, Sound Factory, Hollywood, and ERAS Recording in New York, the 32-track 2" (!) multi-track Master Recorder provides eight additional tracks with no degradation of any quality parameters when compared to 24-track. The M 15A is a model of compactness and simplicity of alignment. Any other track configuration head assembly is readily plugged in and all bias/erase alignments are locked in. All inputs and outputs on 30-pin rear connectors. Meter panel tilts up to horizontal. 1 1/2" NAB reel capacity for 4200 ft. (56 minutes at 15 ips) of 1 1/2 mil tape. 15/30 ips. S/N noise with "telcom c4" noise reduction is 90 dB at 30 ips!



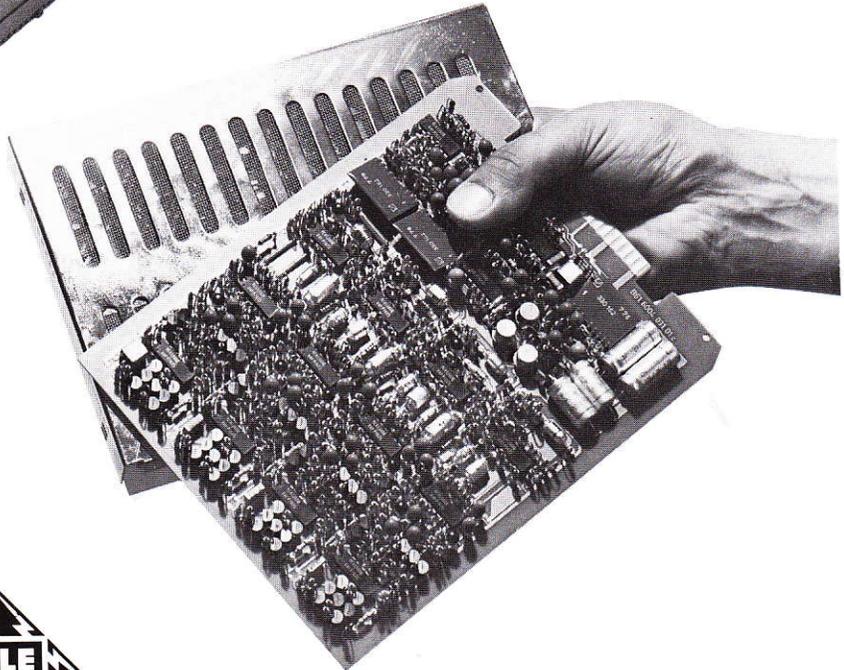
TTM UNIVERSAL NOISE REDUCTION FRAME

At last a "neutral" 24-track frame which permits the use of 24 channels of telcom c4D, Dolby Cat. 22 or dbx K-9 cards to be operated in any combination. Fully gold-contact relay operated by-pass and encode/decode functions provide positive control without phase shift. Ingenious LED alignment scheme makes Dolby meters unnecessary. Transformerless balanced input/output with +30 dBm output capability. Fully regulated supply with whisper quiet muffin fans.

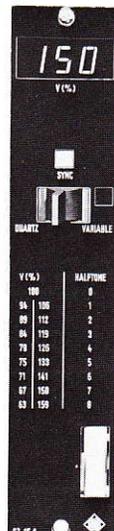
(In preparation: TTM 202: first two-channel noise reduction frame that only occupies 1 3/4" vertical rack space; half the space for Dolby.)

telcom c4

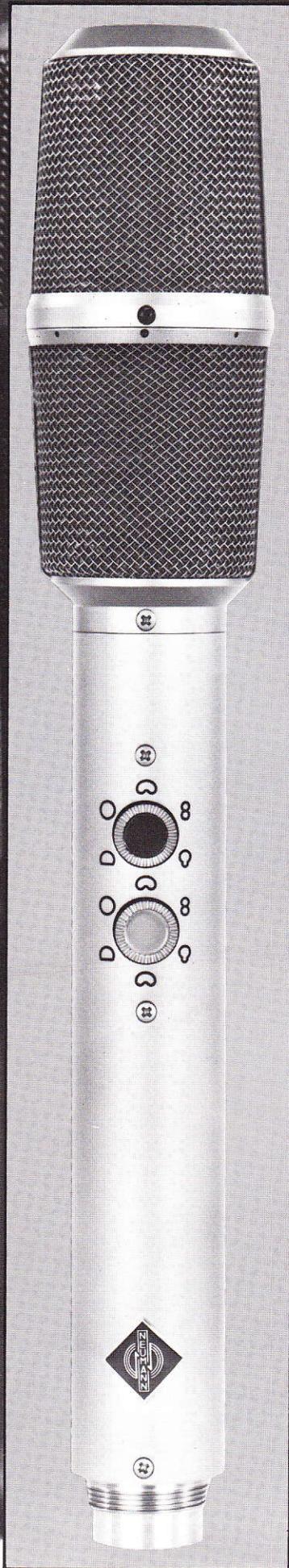
More than ten years after noise reduction companding became an indispensable component of studio technology, AEG-TELEFUNKEN achieved a break through in this field. 30 dB of dynamic range expansion without pre-emphasis or the need for aligning expander to compressor, have made the telcom c4 system uniquely applicable to satellite, micro-wave, telephone line and studio technology.



The "telcom c4D" card is fully retro-fittable to Dolby 360/361 rack mounting units, and requires no re-aligning on insertion. Telcom also generates a "tone" but not for alignment but for recognition purposes.



- A AL 15A Autolocator**—microprocessor based cue locating computer including 9 position memories, shuttle mode, digital stop timer without losing position control and all remote control functions.
- B FS 15A Remote Control Module**—provides all deck functions with true lamp indication of machine action, not of button pushed. Additionally provides low/high tape speed and mono/stereo or NAB/CCIR selection.
- C SZ 15A Vari-speed Module**—permits the capstan speed to be varied between 50 - 150% of nominal speed. Digital percent read-out and accurate musical half-tone vs. speed percentage table on the front panel.



To Scale

NEUMANN MICROPHONES

This marks the 50th year of NEUMANN condenser microphones. The fet 80 series of phantom powered studio condenser microphones have long been the microphone standard of the world. A simple central powering system has all but eliminated the need for supply boxes on the floor, while utilizing only the standard 3-pin audio connectors which are common to all microphones. The "KM" series of miniature units and the "U" series of large-size studio microphones is augmented by the SM 69 stereo and QM 69 quad microphones, while the KMA lavalier and KU 80 Dummy Head binaural system round out the program.

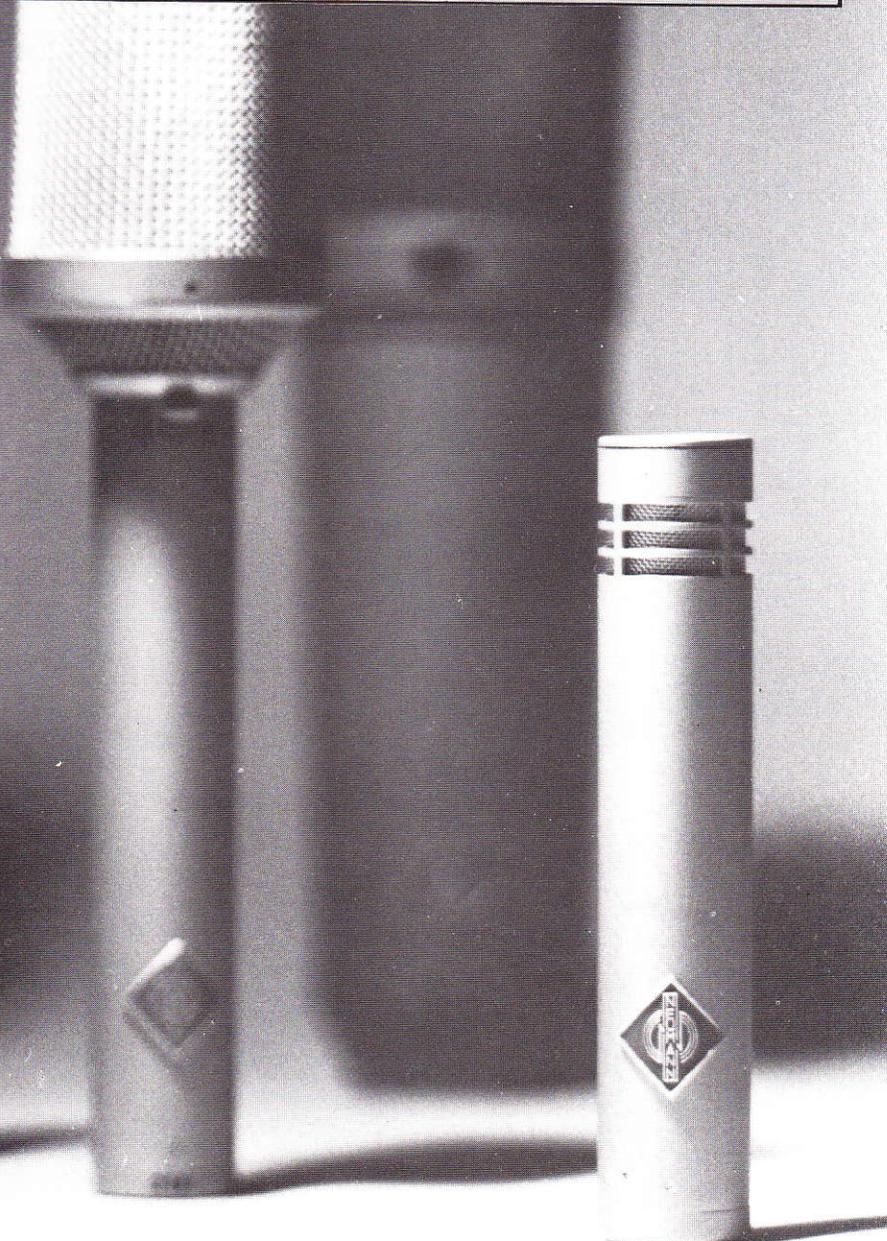
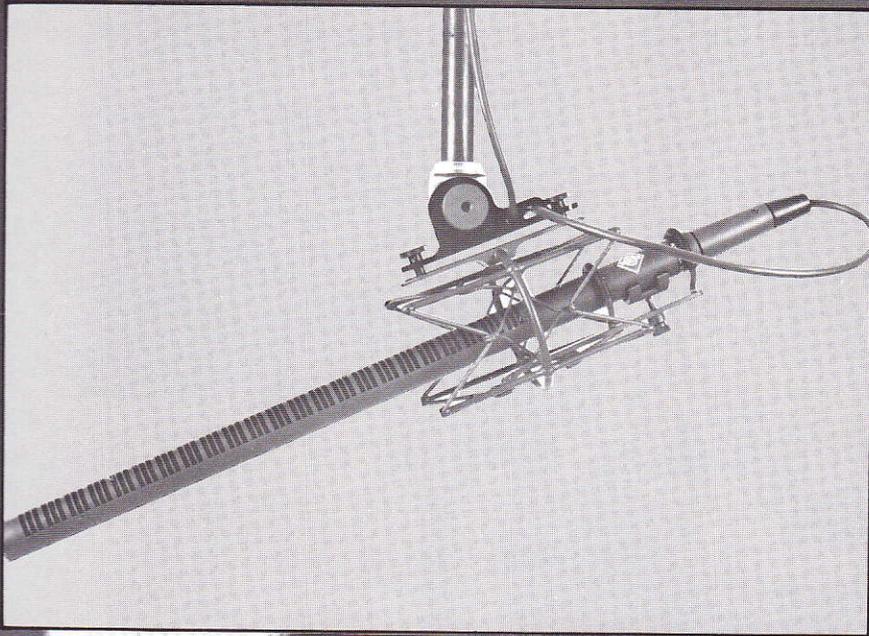
New to the NEUMANN line are three microphones pictured:

U 89 The most spectacular new issue since the U 87. About a fifth smaller, and virtually identical in looks to the U 87, the U 89 has improved dynamic range, output capability, five directional patterns, two selectable roll-off frequencies for the close-talking switch, and features a completely new capsule, highly impervious to moisture and dirt.

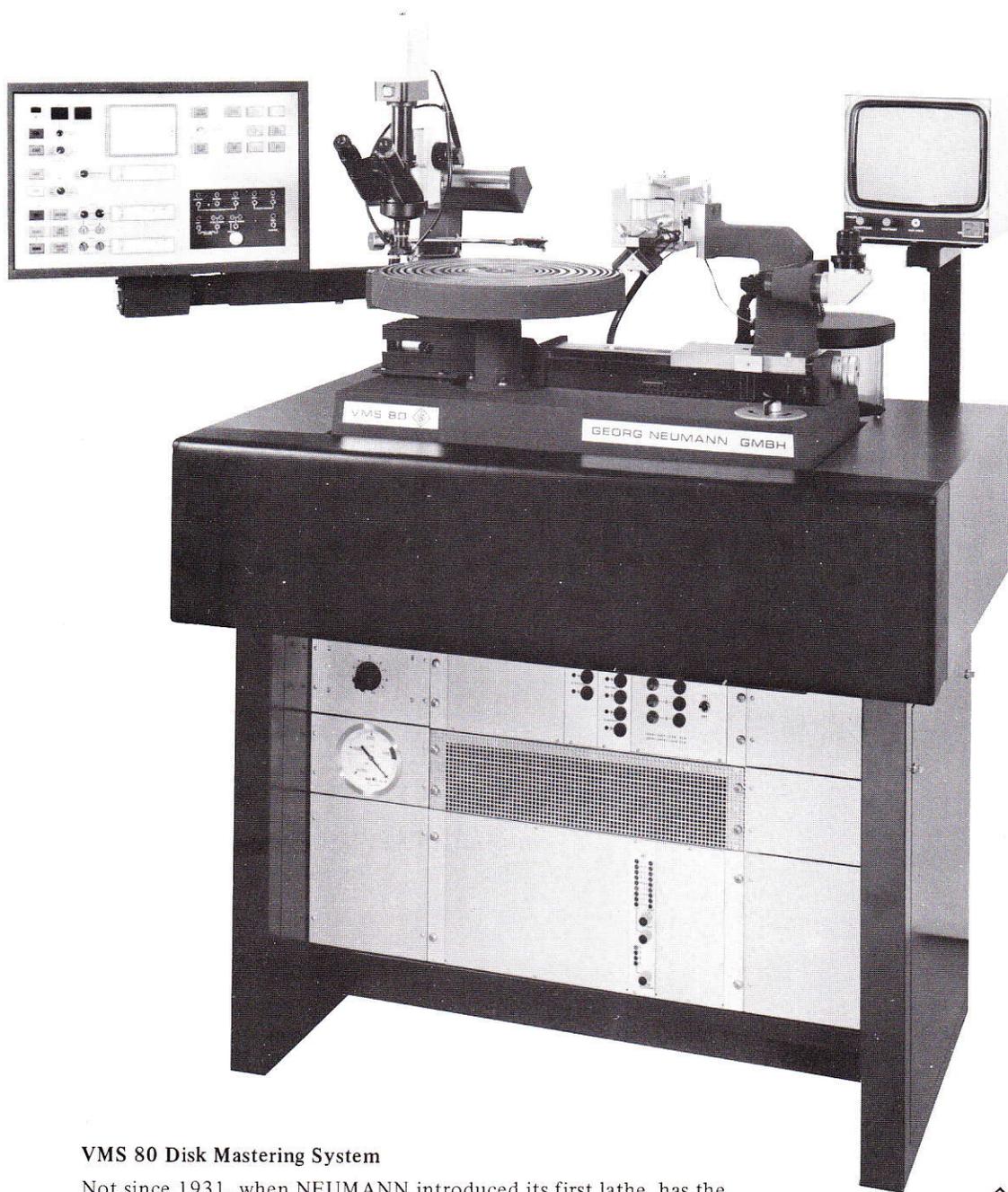


KMR 82 NEUMANN's first "shot-gun" microphone! In keeping with the NEUMANN tradition: "Last but not best", this unit has improved directional pattern integrity at all frequencies. Accessories include an "active" handle containing battery and voltage converter. Usual suspensions, blimps, etc.

USM 69 Identical to the SM 69fet Stereo Microphone, but with directional switching built right into the microphone body, eliminating the need and cost for remote selector boxes and supplies. Phantom Powered from powered studio outlets, or any ac supply.

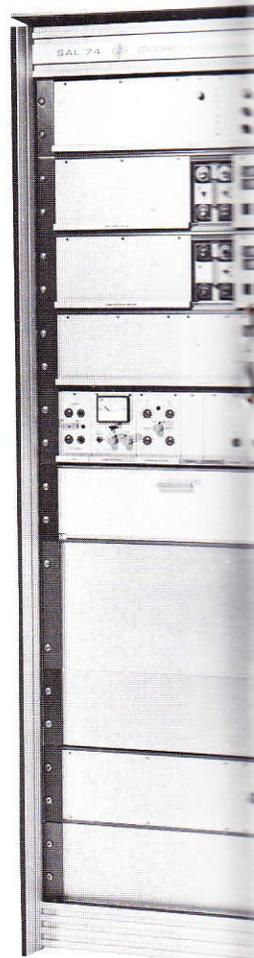


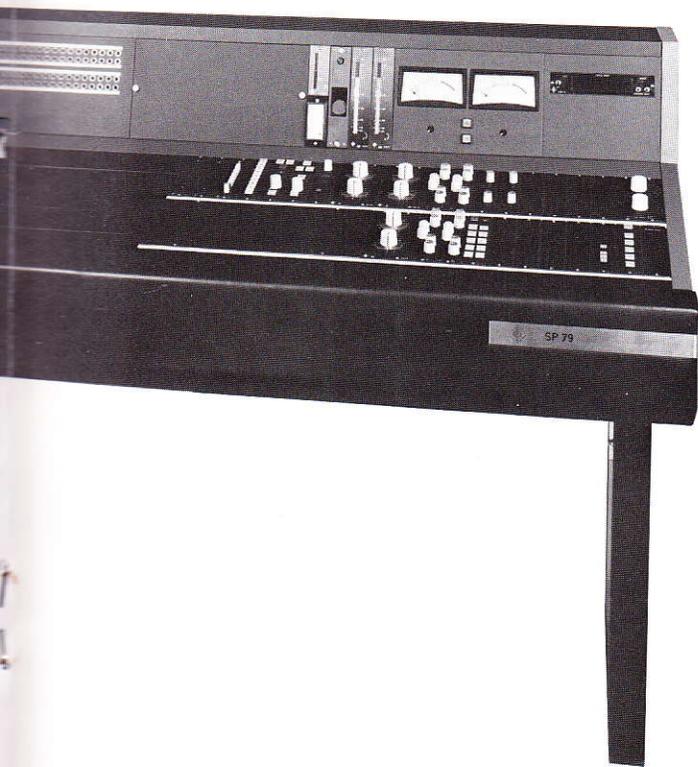
NEUMANN DISK SYSTEM



VMS 80 Disk Mastering System

Not since 1931, when NEUMANN introduced its first lathe, has the science of disk cutting taken as big a step as it has in 1978. The entire physical and technical design has been catapulted into the space age. Record groove-space economy has been taken to its theoretical limits so that cutting long sides now becomes a lark. Direct servo-loop drive for both turntable and lead screw—fully sequenced and safety interlocked command functions—completely new chip pick-up philosophy—optional high resolution microscope video screen presentation—built-in automatic banding unit—stylus use timer—air cushion shock mounts. The list of improvements is endless. NEUMANN's years of videodisk research has finally paid off for the audio disk industry. We always knew it would. No one else in the disk cutting field has this tremendous advantage.





SP 79C DISK CUTTING PROGRAM CONTROL CONSOLE

The latest in a long tradition of tape-to-disk control consoles. New dual tracking equalizers coupled with automatic A/B switching or segue permit the operator to leisurely prepare the upcoming cut's equalization and level. Totally electronic switching logic, reverb send/receive, second tape machine control for making dubs, vu meters and plasma display dual peak indicator with peak accumulation and display from memory, scope and correlation meter, built-in Neumann U 473 Compressor/Limiter/Expanders with LED level display on each, and all lathe and cutting system function remote controls are logically laid out. A large amount of 19" rack space to add your own choice of accessories may be replaced by an illuminated producer's desk.

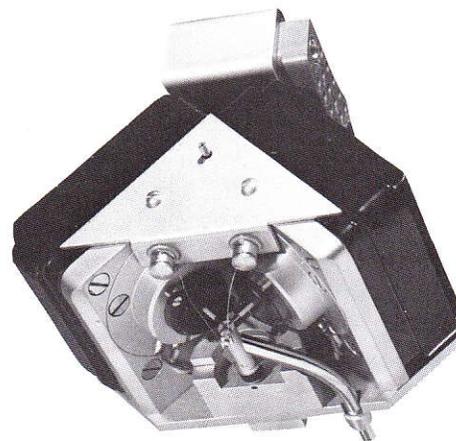


MT 80 Preview/Playback Tape Machine

This special preview model of the TELEFUNKEN M 15A Master Recorder is the perfect source for tape-to-disk transfer. Its continuously variable preview distance provides the exact distance for any combination of tape speed and disk rpm. Its four extremely low noise-level playback amplifiers are switched to either IEC or NAB equalization from a single push button. A light barrier provides leader sensing for the automatic banding unit in the SP Program Console. Full tape tension servo, contactless tape deck push buttons, Hall-effect capstan motor, 3300 ft. reel capacity: all these features and more make the NEUMANN/TELEFUNKEN MT 80 the ultimate playback device.

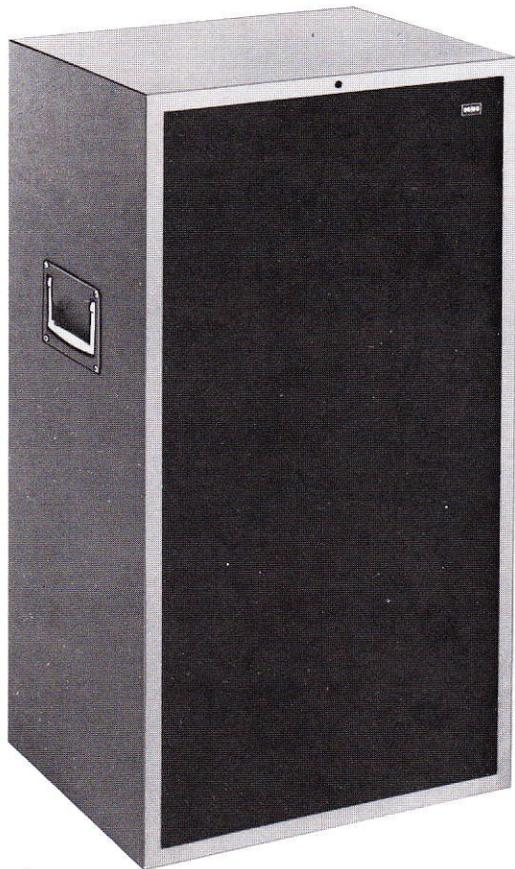
SAL 74 Cutter Drive Logic

This is the Cutterhead Drive Logic and cutterhead combination that put such well-known companies as Sterling Sound, Artisan, Nimbus 9, Acme Recording, United Sound, Masterfonics, JVC, Woodland Sound, Allen Zentz, RCA, Kendun Recorders, Atlantic Records, MCA Records, etc., etc. into the forefront of the world's mastering studios. The 600-watt per channel opamp system with its acceleration limiters, computer brain circuit breaker and distortion compensating Tracing Simulator, combines perfectly with the SX 74 Stereo Feedback Cutterhead to provide the sharpest transient response without exposing the cutterhead to danger of destruction. A system that records with ease, levels that cannot be played back with any pick-up.



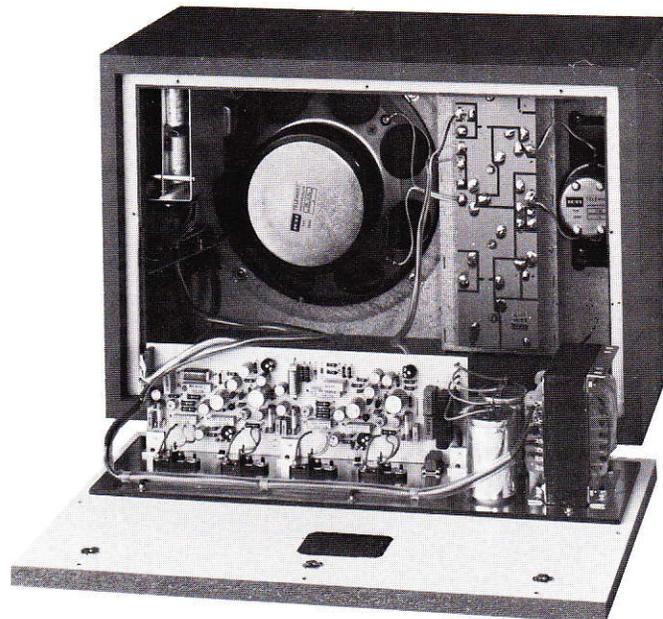
SX 74 Dynamic Feedback Stereo Cutterhead

Ever since the model ZS 90/45 ushered in the era of stereo disks in 1957, the NEUMANN Company has kept the faith by spending enormous sums of money on research and development in the field of dynamic feedback cutterheads. The SX 74 is the latest result of their efforts. With a temperature tolerance of 200 degrees C and an improved sensitivity compared to its predecessor of 1.4dB, the SX 74 clearly permits the cutting of velocities which are beyond the ability of any pick-up to reproduce. It performs best with the SAL 74 Cutter Drive Logic, but may be driven by any of the electronics ever built by NEUMANN.



K+H—Model 0-92 Super Monitor System

The ultimate tri-amped (240W) loudspeaker system capable of highest sound pressure levels with minimal distortion. Great attention has been paid to accuracy of the distribution pattern at all frequencies. Special plug-in equalizers permit physical location in the middle of a room, at one of its boundary surfaces or in corners.



K+H—Model 0Y Monitor Speaker System

A compact bi-amped (2 X 30 W), equalized, three-way speaker system with balanced bridging line level input. Convenient wall hanger or floor stand available.



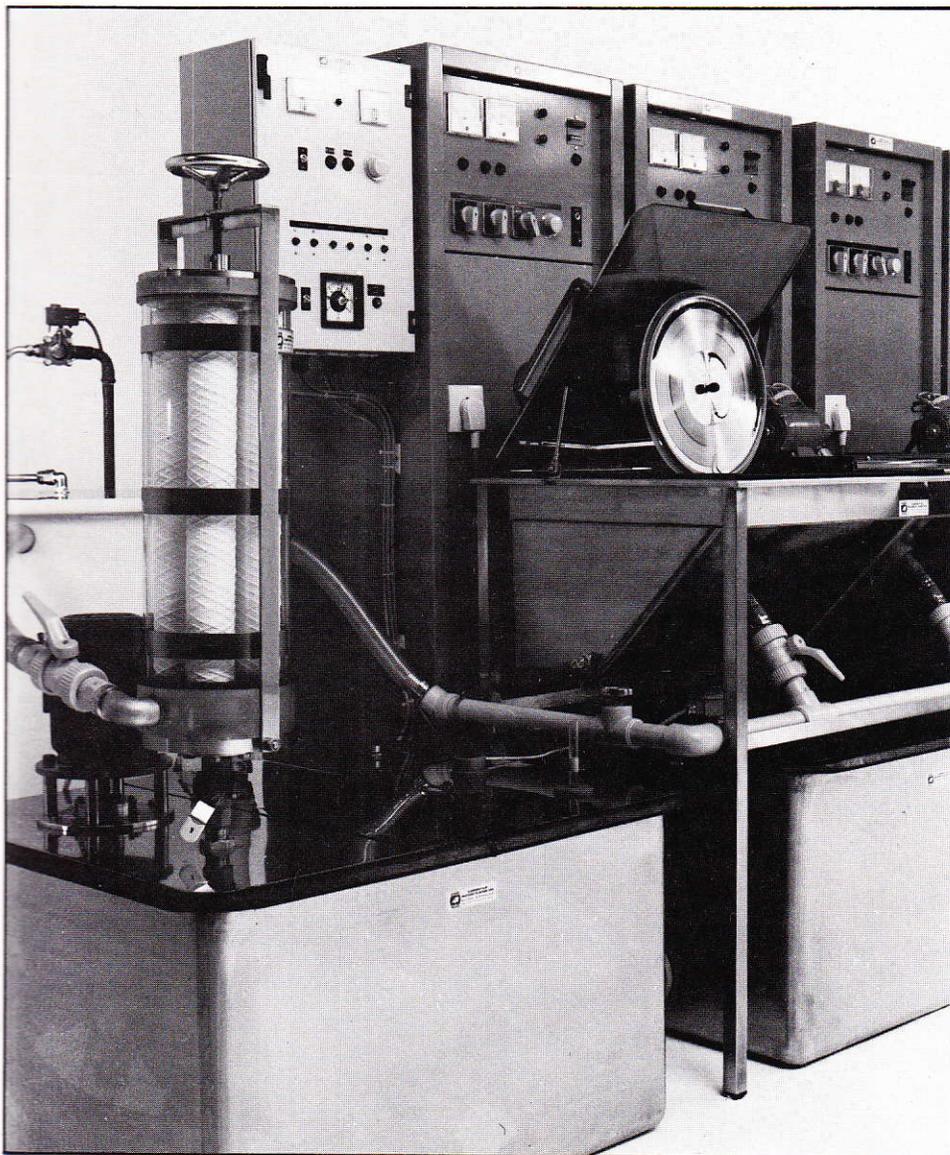
NEUMANN—RUMS 77 Rumble Meter

The world's only meter for the measurement of IEC turntables and record rumble. Direct cartridge input, IEC/RIAA playback weighting and proper vu meter indications of left, right, vertical and lateral rumble components. A must for service labs and manufacturers of turntables and records.



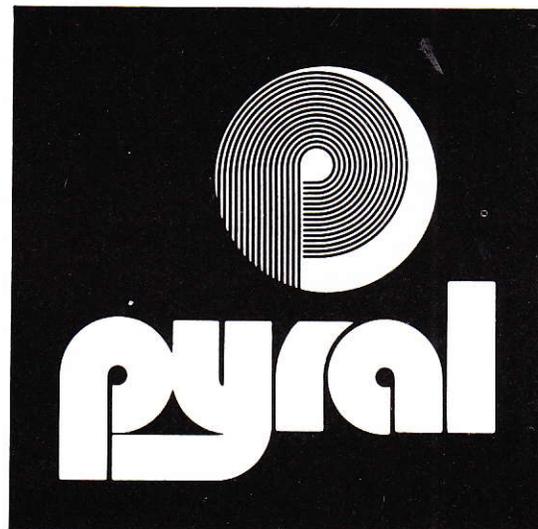
LYREC—TIM 4B High Speed Precision Tape Timer

This unique instrument will time any tape in only the time it takes to rewind it, and this with an accuracy of under 3 seconds out of 30 minutes. Manufactured by LYREC in Denmark, it comes in several models suitable for mounting on Ampex or Scully professional decks. The TIM 4B reads directly in minutes and seconds and is mounted on tape decks without drilling. The timer adds absolutely no flutter or tape motion impedance. They are available in 1/2" and 1", the 1/2" also covering 3/4" tape width. You may order the timer to read directly at either 7 1/2 or 15 ips.



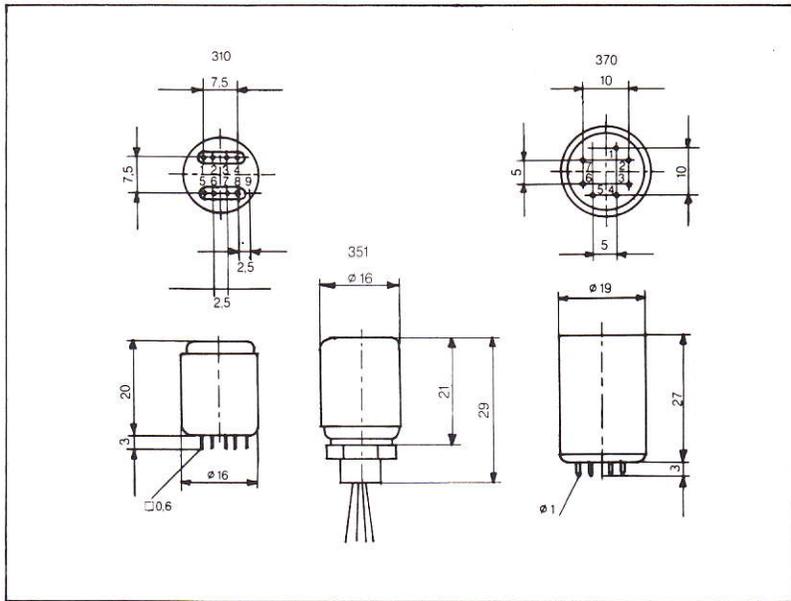
EFP—Phonograph Record Plating Plant

The latest in GOTHAM equipment is the complete record plating equipment made by EFP (Europafilm AB) of Sweden. This system has revolutionized the videodisk field in Europe and because of its reliability, cleanliness, degree of automation, and above all plating speed, has become the standard of excellence throughout the world. Each disk is plated in its separate tank, as opposed to huge vat systems still in use in many plants. This assures absence of impurities on the one hand, and exceptional plating speed on the other. The system is capable of producing a part in under 30 minutes! The system is complete in every detail ready to install in a matter of hours. No multiple sources of supply; no divided responsibility. Ask Europadisk Plating in New York what they think of theirs.



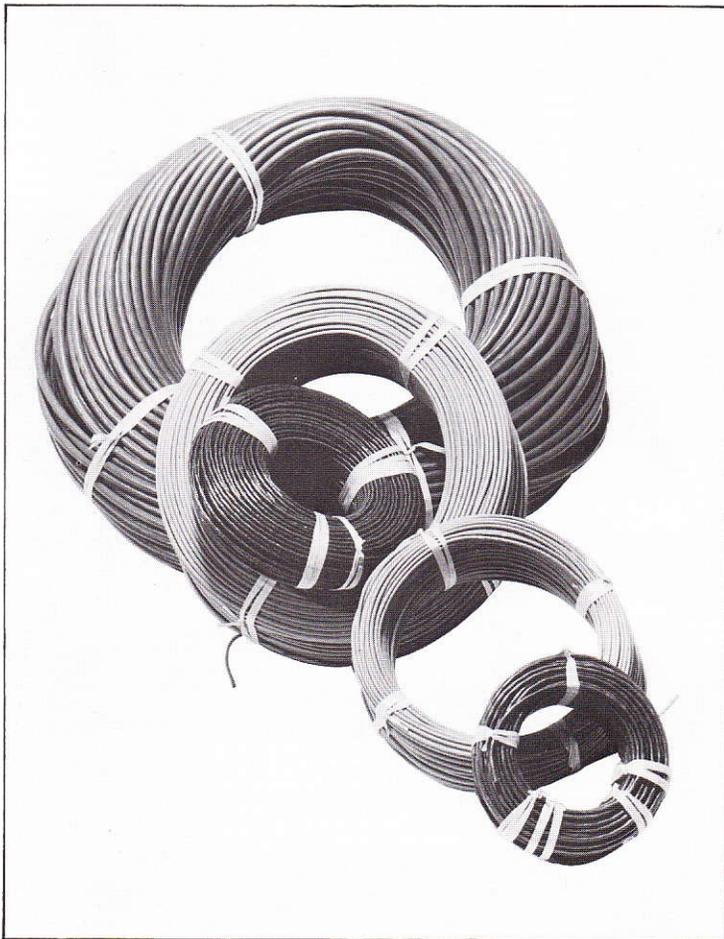
PYRAL—Recording Disk Blanks

PYRAL is the inventor of the lacquer recording blank (1931); and the company which licensed Audio Devices (now Capital Magnetics) and EMI. As a member of the giant French Rhone-Poulenc chemical complex, PYRAL has access to the most advanced techniques in both chemistry and metallurgy. The PYRAL disks are delivered packed 20 masters to a steel case, ideal for later master shipping to the plating plant. Aside from the MASTERO master disks in 12" and 14" diameters, PYRAL also produces reference lacquer blanks in all popular sizes.



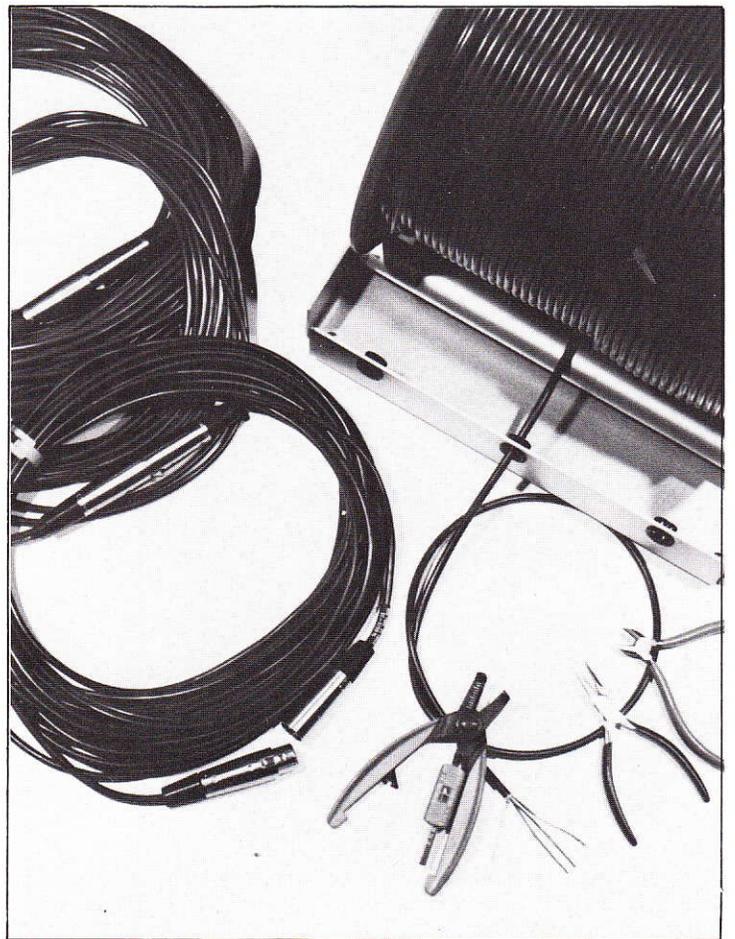
BEYER—Miniature Transformers

BEYER is the undisputed leader in the very specialized field of miniature transformers. For the past 15 years, GOTHAM has supplied the needs of such companies as Ampex, 3M, MCI, Barcus-Berry, Ampro, Inovonics, Studer, Collins, and many more. BEYER makes no output transformers, no chokes and no power transformers. The entire research facilities are directed at the perfection of only one type of transformer: the miniature microphone or tape head input transformer.



EMT—Specialized Audio Cables

These highly specialized audio cables have found wide acceptance in critical applications where double Reusen layer shielding is required in multi-pair cables of two, five and ten individually and jointly shielded pairs, ultra-thin audio cable, shielded heavy-duty power cable and low capacity coaxial audio wire. Manufactured in Switzerland by one of the world's leading cable makers and distributed by EMT.

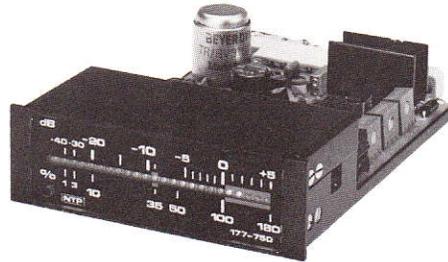
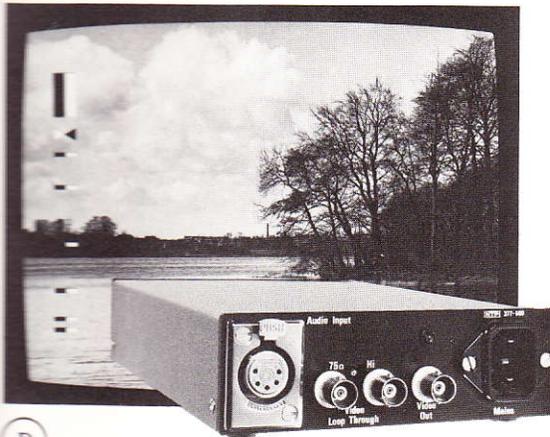
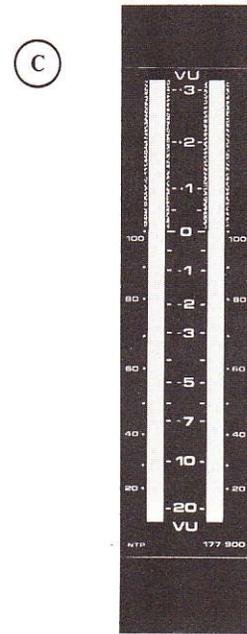
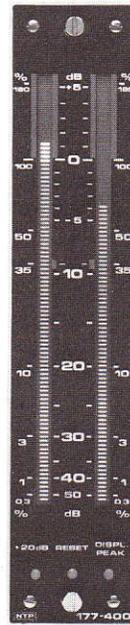
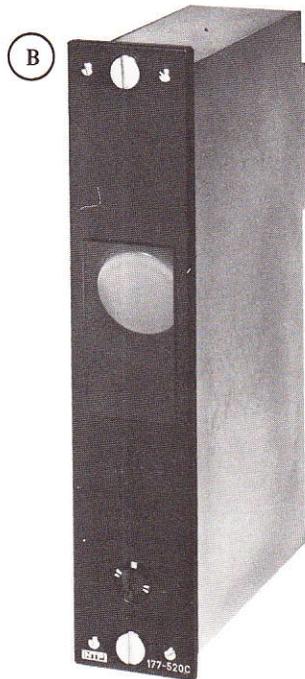
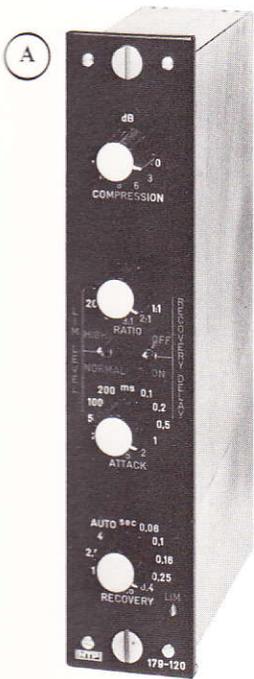


GOTHAM—Microphone Cable and Extension Cables

Recent increases in EMI and RFI (Electro-magnetic and Radio Frequency Interference) have focused attention on the effectiveness of shielding in audio cables. GOTHAM imports from Germany and Austria double Reusen layer cable made to its specifications. Three-conductors assure phantom powering integrity even if the shield should part. Available in super-flexible gray, white, red, blue, yellow and green to match our Neumann wind screen colors for easy identification in P.A. applications. Model BV-2461 on 1,000 ft. spools and made-up extensions using Switchcraft Q-G audio connectors in 10, 25, 50 and 100 ft. lengths or made to order in any length.



NTP, a Danish company, specializes in the manufacture of program level meters featuring either peak or "vu" ballistics, and with LED, gas discharge, light beam or video monitor projecting read-outs.



- (A) NTP 179-120** Compressor/Limiter in cassette form is unique in its recovery delay feature and its versatile adjustable attack and recovery times.
- (B) NTP 177-520** Stereo Monitor Oscilloscope; another component used on the NEUMANN SP 77. Provides a clear presentation of the phase and amplitude relationship of two program channels, while completely filling the scope screen regardless of program level. Lateral/vertical/left/right information display follows the actual stylus motion in the groove.
- (C) NTP 177-400** Dual bar graph in standard cassette size (40 X 190 mm) with additional memory to store highest level read, recall same at any time, and to reset for new memory accumulation. (vertical or horizontal mounting).
NTP 177-900 Dual bar graph vu Meter; otherwise as above.
- (D) NTP 377-500** Video Projecting PPM—permits a single audio channel level to be displayed on any black & white or color television monitor. Unique scale generator and contrasting projected pointer provides clear level indication regardless of background. Inserts into video input line of monitors.
- (E) NTP 177-750** Miniature PPM in an easy to build-in 25 x 80.5 mm format. Conforms to IEC/DIN specifications. 24 LED's: 19 green and 5 red. Balanced input; 24Vdc @ 50 mA required. Horiz. or Vert. scale
NTP 177-590 Stereo Correlation Meter in identical packaging as PPM above. Multi-color square LED indicate correlation from -1 to +1. Adjustable brightness.

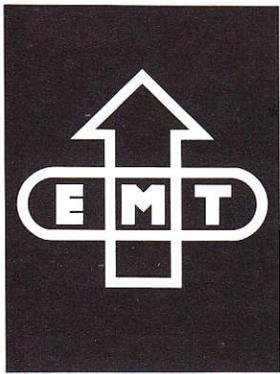


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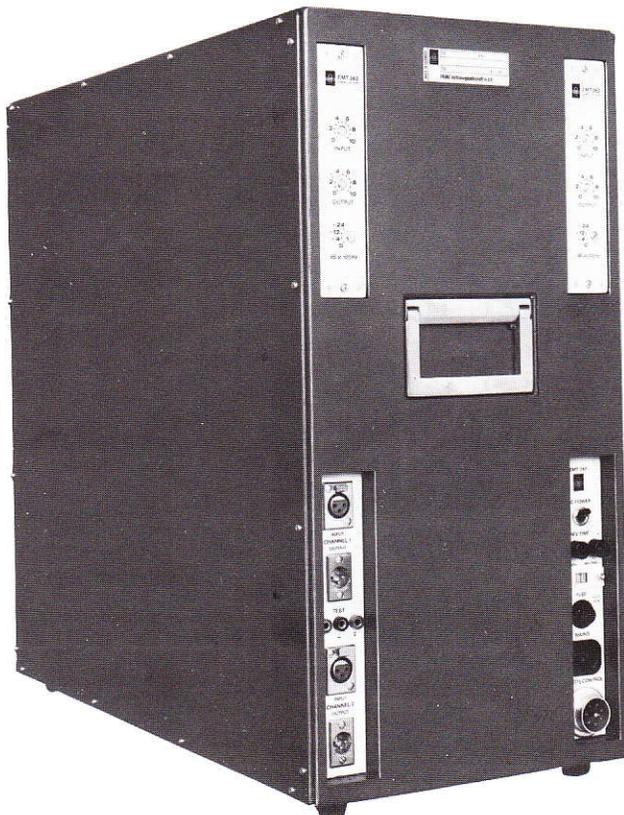
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EMT



EMT 240 Reverberation Gold Foil

The successor to the world renowned EMT 140 steel plate Reverberation Unit. One fifth its size, virtually impervious to both mechanical and acoustic interference from the outside, self-contained reverberation time controller, and built-in input signal compressor. Dual inputs and dual outputs produce the only proper three-dimensional reverberation effect for stereo mix-downs.



EMT 250—Digital Reverberation Unit

A dream come true: Fully Electronic Reverberation by means of a highly sophisticated real time computer made in U.S.A. and programmed by EMT. For the first time it is possible to change reverb time separately at the high and low frequency ends of the spectrum: a mind blowing effect which has established new standards in the industry. Other available effects include 10 second space thriller reverb, chorus, phasing, variable speed repeat echo, and pure delay, on all four outputs.

EMT 140 Steel Plate Reverb Unit:

The "Plate" that won't die! In spite of efforts to phase out the original Reverb Plate of the early 50's, the EMT 140, upgraded to solid state continues to attract a sizable clientele enamored of the sound fashion of the 50/60's. No question the EMT 240 Gold Foil unit provides reverb much closer to the natural phenomenon, but then who can argue with the sound that made reverb popular?



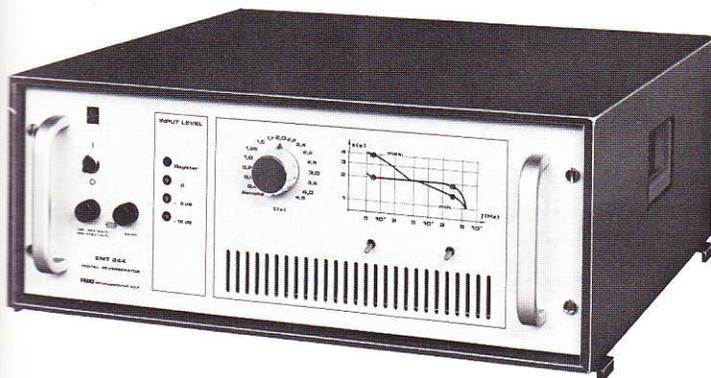
EMT 424 Flutter Analyzer

The king of the flutter analyzers! Ideally suited to production checking as well as the most advanced research laboratory. The EMT 424 is unique in many different ways: built-in wave analyzer with automatic filter sweep (pen recordable, of course), timed test interval with meter pointer hold for absolutely objective readability and reproducibility of readings. Gaussian weighting is used for timed measurements. The EMT 424 additionally contains a separate start-up time test section which accurately measures the start-up time of turntables, tape machines and other reproducers.



EMT 422—Flutter Analyzer

The latest in the EMT line of sophisticated flutter meters. Self calibrating and usable over a wide range of input levels without level setting need. An accessory plug-in module allows its use in production line testing with GO/NO-GO light indications for pre-selected thresholds.



EMT 244—Digital Reverberator

An off-spring (but not using one) of the "King of the line", the EMT 250 Digital Reverberation System. For the first time packaged as a rack unit with four selectable reverb time vs. frequency curves. Remote controllable using any previous remote controller made by EMT. 0.4 – 4.5 seconds in 16 steps.



EMT 950—Direct Drive Turntable System

A totally new concept in broadcast studio turntable systems incorporates every electronically switched convenience required in rapid cuing of disks. Automatic back-cuing, rapid pick-up, audio muting, cue speaker and much more.