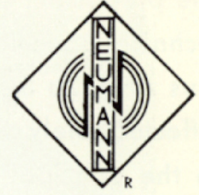


DISK CUTTING LATHE AM-131



*for those
who require the ultimate...*



Front view of the compact AM-131 Disk Recording Lathe with
"Spencer" 50-power Microscope

GOTHAM AUDIO CORPORATION

2 WEST 46 STREET, NEW YORK 36, N.Y. ··· COLUMBUS 5-4111



3-b

The **NEUMANN AM-131 DISK CUTTING LATHE** meets the recording industry's demands for a medium priced, high quality lathe for cutting of instantaneous acetates and masters for the production of phonograph records and transcriptions. Its technical specifications are in every respect equal to the famous AM-32b Stereo Disk Mastering Lathe. The economies are effected solely through elimination of automation features, while the principal operating components such as the drive motor, fluid turntable coupling, vacuum chuck turntable, gliding carriage, etc. are identical to the full-automatic lathe.

The design of the AM-131 is based on three decades of experience. It is executed by West Germany's finest machinists, and it is installed, serviced and guaranteed by Gotham Audio Corporation, New York and Hollywood.

NEUMANN AM-131 Disk Recording Lathe Features which produce lacquers of unsurpassed quality:

1. Three-speed *synchronous* motor drive without belts, gears, or chains: 16-2/3 rpm electronic converter available as accessory.
2. The 65 lb. turntable flywheel smoothes out all wow and flutter. Oil coupled to the drive shaft; no solid connection between motor and turntable.
3. The 16" vacuum hold-down turntable has switchable air valve; prevents hissing through unused holes when using small acetate blanks; quiet operation.
4. Step-gear pitch change and interchangeable gear trains provide pitch from 84 to 447 lines per inch.
5. Cutterhead suspension complete with dash-pot with variable damping adjustment.
6. Automatic cutter lift at correct pre-determined inner end-groove diameter adjustable for the three RIAA end diameters.
7. Automatic cutter lift when lead screw is disengaged. Positively prevents destruction of stylus due to cutting into aluminum.
8. Heated stylus metering on lathe unit; calibrated in amperes.
9. DC Heated stylus heating built in and automatically switched when cutter lifts.
10. Illuminated microscope moves with cutterhead transport giving "standing still" image of grooves.
11. Lead-in and lead-out grooves may be deepened easily.
12. Full vacuum collection and tubing provided. Chip jar; vacuum distribution valve; chip removal pipe; vacuum hold-down connection; all tubing; all you do is connect your vacuum pump.
13. New standard American "Spencer" Microscope (delivered with all U.S. manufactured lathes) with 50-power magnification and calibrated reticle. Mounted on heavy-duty base and arm; swings over turntable; bright illuminating attachment.

All NEUMANN Lathes are unconditionally guaranteed by Gotham Audio Corporation for 1 year from date of delivery.

A PARTIAL LIST OF USERS OF THE NEUMANN AM-131 LATHE:

Dick Charles Recording Service Inc.
New York, New York (2 units)

Quality Recording Service
Stockton, California

A & R Recording, Inc.
New York, New York

Pepper Records, Inc.
Memphis, Tennessee

Recordings, Inc.
Baltimore, Maryland

Garrison Recording Studios
Long Beach, California

Mico Record Mfg. Co.
Manila, Philippines

Federal Record Mfg. Co.
Kingston, Jamaica

Regent Sound Studios Inc.
New York, New York

Gaity Recording Studio
Minneapolis, Minnesota

Tom H. Jones Recording
Rochester, Minnesota

Audio Recorders of Arizona
Phoenix, Arizona

Cleveland Recording Company
Cleveland, Ohio

Whitney Recording Studio
Glendale, California

Radio Station WEMP
Milwaukee, Wisconsin

John P. White Recording Co.
Baton Rouge, Louisiana

Sound Makers
New York, New York

Liberty Custom Recorders
Hollywood, California

Bud Pressner Music & Recording
Service, Gary, Indiana

Sunset Sound Recorders
Hollywood, California

Neophon Recording Corp.
Hollywood, California

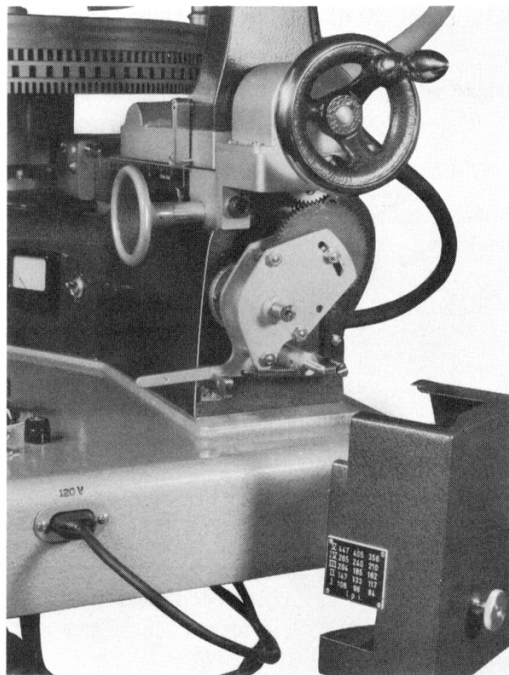
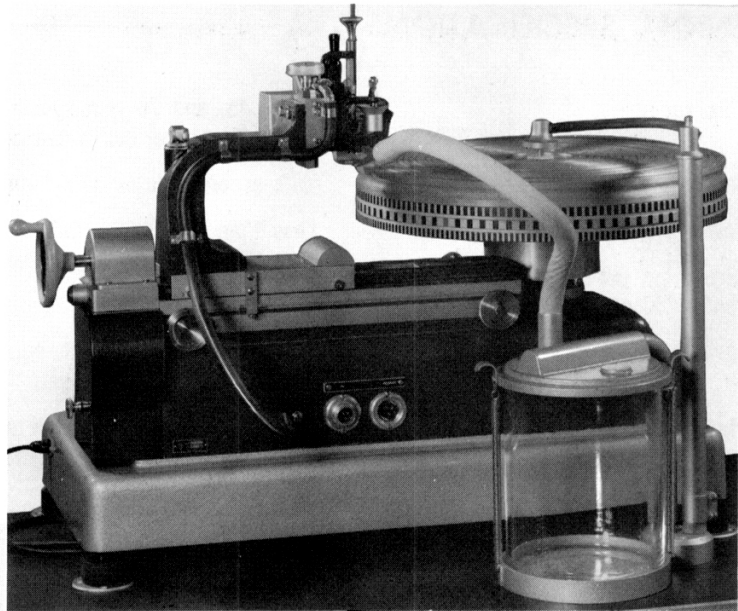
A.M.S. Sound Recording Inc.
Philadelphia, Pennsylvania

Edgewood, Inc.
Washington, D.C.

Cadet Records, Inc.
Culver City, California

Findlay Recording Company
Findlay, Ohio

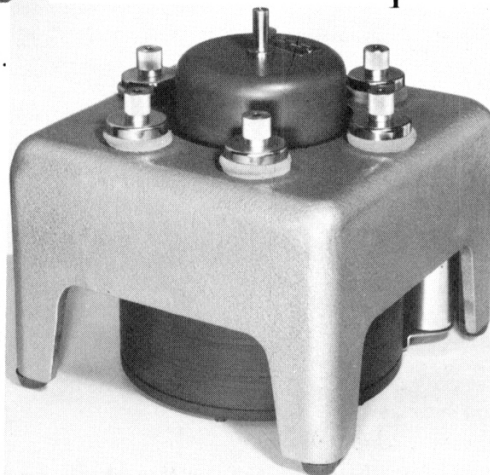
Back view of the AM-131
— illustrating all-new
vacuum collection.



Side Section (with cover removed)
— illustrating Pitch Change Gear Trains.



American Optical "Spencer"
50-power Microscope



LYREC SM 8/3-A
3-speed SYNCHRONOUS MOTOR



Disassembled LYREC SM 8/3-A
3-speed SYNCHRONOUS MOTOR

TECHNICAL SPECIFICATIONS:

Turntable speeds:	33 $\frac{1}{3}$, 45, and 78 rpm synchronous speeds from LYREC SM-8/3A three-speed motor. Electrical half speed converter permits 16 $\frac{2}{3}$ rpm cutting.
Turntable diameter:	16"; accommodates 17 $\frac{1}{4}$ " master blanks.
Wow and Flutter content:	Less than \pm 0.035% RMS.
Rumble content (all frequencies from 0-250 cps):	More than 55 dB down.
Pitch available:	84 to 447 LPI in fifteen equally spaced steps by means of five changeable gear trains.
Cutterhead suspension:	Semi-automatic type complete with dash-pot, automatic lift, groove deepening arrangement, connections for cutter drive, feedback, and DC stylus heat terminals.
Cutterhead mounting:	Universal for NEUMANN MS-52H, ES-59, SX-45 Stereo, Grampian, Fairchild, Presto, Westrex, etc.
Lead-in and lead-out grooves:	Standard RIAA dimensions; carriage advanced by handwheel; grooves may be deepened as desired.
Automatic features:	Cutter lift at concentric circle; stylus heat cutoff.
Microscope:	American Optical "Spencer" 50-power; calibrated in mils; illuminated; mounted on swivel arm attached to lathe table.
Dimensions of lathe:	14" deep x 28" wide x 23" overall height.
Dimensions of motor:	11" x 11" x 12" high.
Weight of lathe unit alone:	244 lbs.
Weight of turntable:	65 lbs.
Weight of LYREC motor:	110 lbs.
Power requirements:	117 volts 60 cycles; 110 watts total. (220 volts and 50 cps available for export).
Delivery information:	Shipped in three wooden crates. Complete with: Vacuum chip collecting jar, vacuum turntable attachment, and rubber hoses; motor connecting rod, two types of oil and oiling can, Pitch gear No. II, complete instruction manual and check-out report.

OPTIONAL EQUIPMENT:

Gear Trains	I, III, IV, V.
Half-speed converter for 16$\frac{2}{3}$ rpm:	Type ZA-33
Hold-down knob for small acetates:	Type ZA-22
Table stand with pickup arm (16") for Std. or LP records:	Type ZA-25
Buchmann-Meyer pattern observation lamp and transformer:	Type ZA-21
Disk Cutting Systems:	GOTHAM-GRAMPIAN Monophonic magnetic. NEUMANN ES-59 Dynamic Feedback System (MONO). NEUMANN SX-45 Dynamic Feedback System (STEREO).
Magnetic Disk Recording Cutter:	NEUMANN MS-52H—may be driven from any 30 watt amplifier.

For further information, contact Gotham Audio Corporation or your Neumann dealer: