

THE NEUMANN AM-31A DISK RECORDING LATHE

Neumann —  
 Proven in the past . . .  
 Used in the present . . .  
 Bought for the future.

Solid cast iron, mounted on a cast iron base plate  
 Completely shock mounted on four mounts . . .  
 used for leveling the lathe.

The 65 lb. turntable flywheel smoothes out all wow  
 and flutter. Oil coupled to the drive shaft; no solid  
 connection between motor and turntable.

The 16" vacuum hold-down turntable has switchable  
 air valve; prevents hissing through unused holes  
 when using small acetate blanks: quiet operation.

High precision lathe bed with lapped mating sled.

Precision ground lead-screw with 25 revolutions to the inch.

Step-gear pitch change and exchangeable gear trains  
 provide pitch from 84 to 475 lines per inch.

Cutterhead suspension complete with dash-pot with  
 variable damping adjustment.

Heated stylus metering on cutter suspension;  
 calibrated in am

DC Heated stylus built in and automatically switched  
 when cutter lifts.

Illuminated microscope follows with cutterhead  
 transport giving "standing still" image of grooves.

Automatic cutter lift at correct inner end-groove  
 diameter adjustable for the three RIAA end diameters.

Automatic cutter lift when lead screw is disengaged.  
 Positively prevents destruction of stylus due to  
 cutting into aluminum.

Eccentrics cut automatically on the lathe.

Three-speed synchronous motor drive without belts, gears, or  
 chains: 16 2/3 rpm electronic converter available as accessory.

Lead-in and lead-out grooves may be deepened easily.

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.

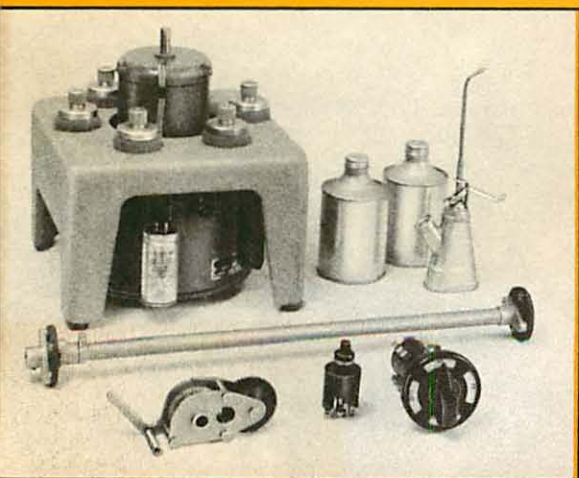
No pattern, non-periodic lead-screw

Cutter signal and feedback connections plug in  
 at base of lathe.

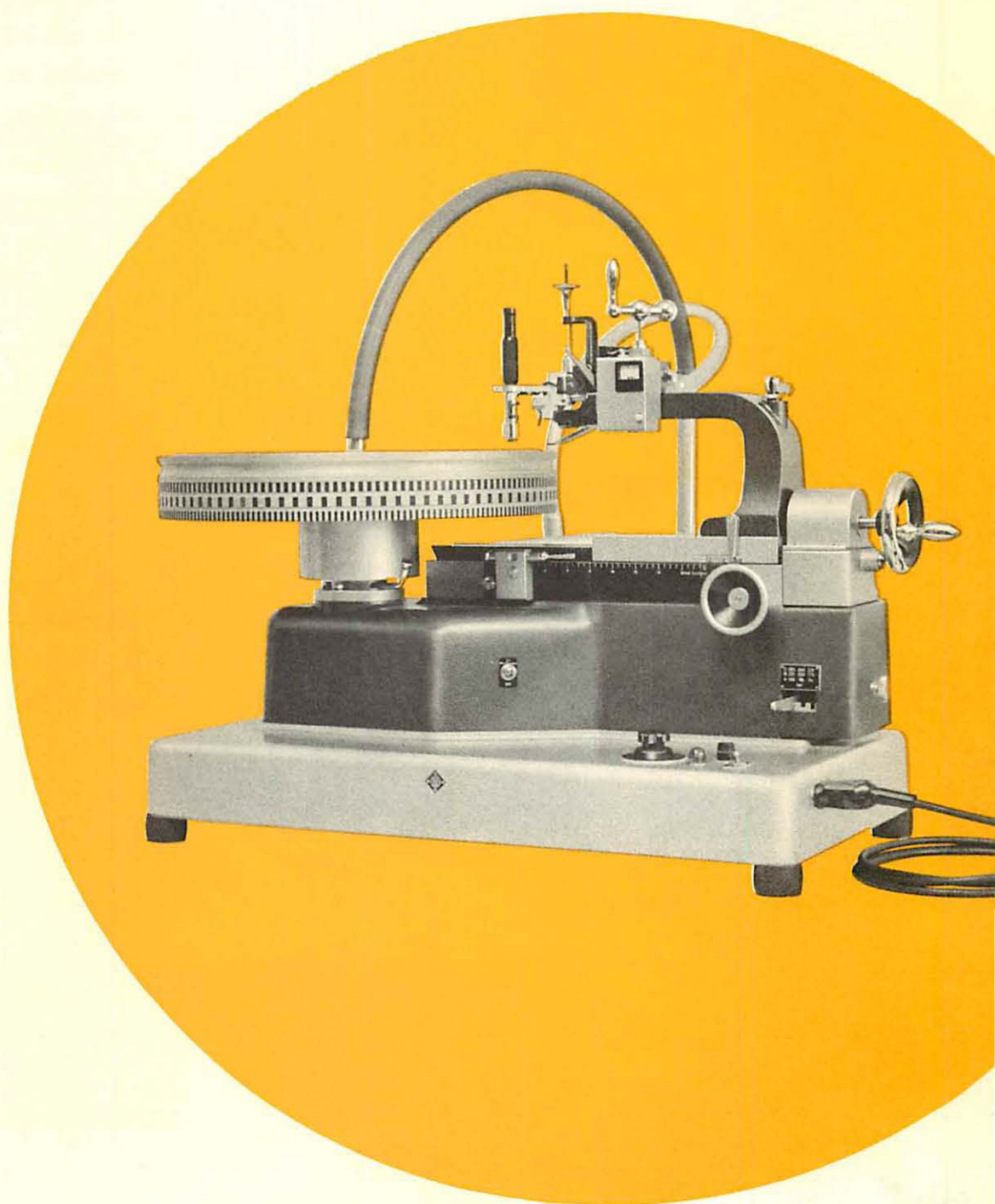
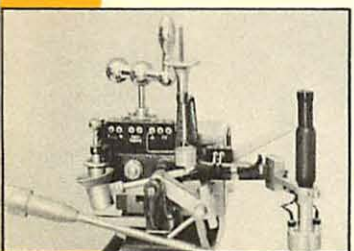
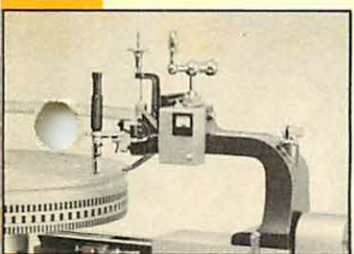
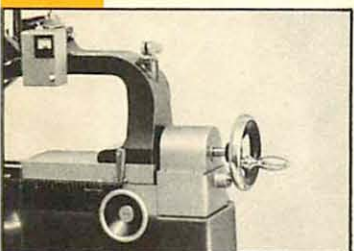
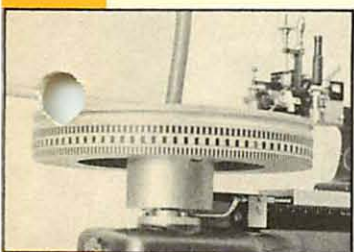
Simple to install on any table. Full instructions provided.

One year guarantee with each lathe.

3-speed switch, Vacuum Chip  
 collecting jar, Start button, Motor  
 connecting rod (extendable), 2 cans  
 of oil (heavy and light), All rubber  
 tubing for vacuum, oiling can,  
 Instruction and check-out manual.



ZAZZAZZ



AM-31A

**SPECIFICATIONS—  
AM-31a**

Turntable with Stroboscopic divisions for 33 1/3, 45 and 78 rpm.

Turntable size:

3-speed drive motor:

Wow and Flutter content:

Rumble:

Cutterhead mounting:

Cutterhead suspension:

Automatic features:

Lead-in and lead-out grooves:

Pitch available:

Microscope:

Size of base plate:

Weight without Vacuum hold-down or motor; including chip glass:

Dimensions of Motor:

Weight of Motor:

Shipping:

Power Requirement:

Including following accessories:

**PRICE:** F.O.B. New York Warehouse

Optional Equipment:

16"; accommodates 17 1/4" blanks.

LYREC SM-8/3a three speed synchronous drive motor.

Less than  $\pm 0.02\%$  RMS.

More than 55 db down.

For all standard cutters like: Grampian, Fairchild, Presto, TELDEC Stereo, Westrex, etc.

Complete with spring counter-balance and dash-pot.

Cutter-lift; heat cut-off; eccentric cut on lathe.

Manually by hand wheel; may be deepened as desired.

Step-gear change and exchangeable gear trains: 65 to 475 lpi.

Illuminated; 80 power; calibrated reticle.

14"x28"x23" overall height.

244 Lbs.

11"x11"x12" high.

110 lbs.

In 3 wooden crates.

120 Volt 60 cycle 110 watt.

3-speed switch, Vacuum Chip collecting jar, Start button, Motor connecting rod (extendable), 2 cans of oil (heavy and light), All rubber tubing for vacuum, oiling can, Instruction and check-out manual.

\$3450.00 net.

Z-33 16 2/3 rpm converter.

Z-25 Table-top pick up arm.

Gotham-Grampian Feedback Cutting System.