Empty 8+ reel fits all Magnecord models or any recorder capable of handling 10½ inch reels. Loads with 2800 feet of 1 mil tape or 2000 feet of 1½ mil tape. Provides 50% more playing time. Packed in box. $1.25 each.

MAGNECORD

Durable cases of blue Royalite®, trimmed with extruded anodized aluminum. Removable front and rear covers. The larger case for the transport and the smaller case for the electronics of the models 1021, 1022 and 1024. $40. each

MAGNECORD 1020 RECORDE/RPRODUCER

1020 The Model 1020, a fully transistorized tape recorder/reproducer of professional quality, is the first Magnecord designed exclusively for the private consumer. Encased in a hand-polished walnut cabinet, the 1020 is a combination of decorator styling and professional performance. It features hysteresis synchronous drive motor; two permanent split capacitor reel drive motors; two V.U. meters; automatic shut-off; digital counter with push button reset; dual headphone jacks on front panel and 8+ reel for 50% more playing time.

Tape Speeds: 3.75 and 7.5 ips.
Flutter and Wow: 0.25% at 3.75 ips; 0.18% at 7.5 ips.
Timing Accuracy: ± 2% 3.75 ips; ± 1.5% 7.5 ips.
Reel Size: 5, 7 and 8½ inch E.I.A. hubs.
Rewind Time: 1,200 feet in 80 seconds.
Frequency Response: ± 3 db 30 to 10,000 Hz at 3.75 ips; ± 2 db 45 to 18,000 Hz at 7.5 ips.
Signal-to-Noise Ratio: 48 db at 3.75 ips; 52 db at 7.5 ips.
Inputs Per Channel: Hi-Z microphone, auxiliary bridge.
Outputs: 1K OHM emitter follower, output level at O.D.U. 9V ± 2V at 400 cps.
Heads: Selectable ¾-track erase, ¾-track record, ¾-track play.
Weight: 35 lbs.
Dimensions: 13½" high x 17½" wide x 6½" deep.
Accessories: Walnut base, Carrying Case, Adapter Ring (for cabinet mounting).
FROM $570.

MAGNECORD 1021 RECORDE/RPRODUCER

1021 The totally transistorized Model 1021 monaural recorder/reproducer was actually designed around features most requested by broadcasters. This versatile instrument is ideal for AM broadcasts, offering up to one full hour of programming on a 7 inch reel, and easily handles FM program quality at 7.5 ips.
It features two-speed hysteresis synchronous drive motor; two permanent split-capacitor reel drive motors; position for fourth head available; 8+ reel, with 50% more playing time; V.U. meter for record and playback measurement; monitoring from tape or source; cue speaker; monitor amplifier and auxiliary input.
Tape Speeds: 3.75 and 7.5 inches per second.
Flutter and Wow: 0.25% at 3.75 ips; 0.17% at 7.5 ips.
Timing Accuracy: ± 0.2%.
Reel Size: 5, 7, 8½ and 9½ inch E.I.A. hubs.
Rewind Time: 1,200 feet in 80 seconds.
Frequency Response — Overall Record/Reproduce: 35 to 8,000 Hz ± 2 db at 3.75 ips; 45 to 18,000 Hz ± 2 db at 7.5 ips.
Signal-to-Noise Ratio: 53 db at both speeds.
Inputs Per Channel: Lo-Z microphone, balanced bridge, unbalanced bridge, mixing bridge and auxiliary bridge.
Outputs Per Channel: 150,000-ohm balanced (4-4 dbm), auxiliary A and auxiliary B unbalanced.
Heads: Full-track erase, record; half-track play.
Weight: Transport, 33 lbs; Amplifier, 14 lbs.
Dimensions: Transport, 19" wide, 10½" high, 7½" deep; Amplifier, 19" wide, 5½" high, 12" deep; Transport Reel Overhang, 1¼" with 7½" reel. Other Speed and Head Configurations, as well as Full Relay Control available upon order.
FROM $708.

MAGNECORD 8-PLUS REEL

8-PLUS REEL — FOR MAGNECORD RECORDERS

MAGNECORD TAPERECODERS

DIVISION OF THE TELICO CORPORATION
990 AURORA AVENUE, MINNEAPOLIS, MINNESOTA 55420

FORM NA-128
30TH LINE U.S.A.
1022 Magnecord's stereophonic Model 1022 recorder/reproducer provides the most in tape recording satisfaction. The wide flat frequency response, exceptionally good signal-to-noise ratio and low distortion accomplished at 15 ips, make the 1022 ideal for master-cutting. The 7.5 ips speed is more than adequate for general recording or reproduction. Among the many features are two speed hysteresis synchronous drive motors; two permanent split-capacitor reel drive motors; quarter-track playback head (switch selectable) integral; two V.U. meters; monitoring from tape or source; separate record-gain controls for each channel and master playback gain control.

Tape Speeds: 7.5 and 15 ips, with others available. Flutter and Wow: 0.17% at 7.5 ips; 0.15% at 15 ips. Timing Accuracy: ± 0.2%. Reel Size: 3.5, 7, and 8 1/4 inch E.I.A. hubs. Rewind Time: 1,200 feet in 80 seconds.

Equalization: N.A.B.: 0.1% at 17" wide; 0.15% at 6" wide. Inputs Per Channel: Lo-Z microphone, balanced bridge, unbalanced bridge and auxiliary bridge.

Outputs Per Channel: 150/600-ohm balanced (+-4 dbm); auxiliary A and auxiliary B unbalanced.

Heads: Selectable 2-channel erase, 2-channel play, 2-channel record and quarter-track play. Weight: Transport, 33 lbs; Amplifier, 14 lbs. Dimensions: Transport, 19" wide, 5 1/4" high, 12" deep. Amplifier, 19" wide, 5 1/4" high, 12" deep; Transport Reel Overhang, 1 1/4" (with 7" reel). Full Relay Control available upon order.

FROM $788.

1024 A universal instrument, the Model 1024 recorder/reproducer was designed to meet the demands of either commercial applications or for use by the discriminating private consumer. From the sturdy die-cast mainplate to the precision lapped heads, the 1024 exemplifies the Magnecord tradition of excellence in design and manufacture. Its outstanding features include two-speed hysteresis synchronous drive motor; two permanent split-capacitor reel drive motors; position for optional fourth head; two V.U. meters: monitor source (input) and tape (output); automatic shut-off and 8 reel for 50% more playing capacity.

Tape Speeds: 3.75 and 7.5 inches per second. Flutter and Wow: 0.25% at 3.75 ips; 0.18% at 7.5 ips. Timing Accuracy: ± 0.2%. Reel Size: 3.5, 7, and 8 1/4 inch E.I.A. hubs. Rewind Time: 1,200 feet in 80 seconds. Frequency Response: 20 to 16,000 Hz ± 2 db at 7.5 ips; 35 to 19,000 Hz ± 2 db at 15 ips. Signal-to-Noise Ratio: 48 db at 3.75 ips, 51 db at 7.5 ips.

Heads: Selectable 1/4-track erase, 1/4-track record, 1/4-track play. Weight: 47 lbs.

Dimensions: 19" wide, 15%" high, 12" deep; Transport 19" x 15.8" x 7.25"; Amplifier 19" x 5.25" x 12" deep; Transport Reel Overhang 1 1/4" (7" reel).

Other Options: 50 Cycle Operation, Tape speeds of 1% and 3%, 7%, and 15, 1/2-track heads. Digital Tape Counter and Signal Operation Switch (VOR) Relay Control.

FROM $648.

1028 The Magnecord Model 1028 is recognized by audio experts as being the finest in professional quality recorder/reproducers. Advanced circuit design, utilizing the latest tube types and printed circuitry, insure uniform high performance from recorder to recorder. Basic specifications for the 1028 point up its versatility and capability.

Tape Speeds: 7.5 and 15 ips.

Flutter and Wow: 0.15% at 7.5 ips; 0.1% at 15 ips.

Timing Accuracy: ± 0.2%.

Reel Size: 5, 7, 8 1/2, and 10" inches.

Rewind Time: 2,400 feet in less than 90 seconds.

Frequency Response — Overall Record/Reproduce: 35 to 10,000 Hz ± 2 db at 7.5 ips; 35 to 19,000 Hz ± 2 db at 15 ips.

Signal-to-Noise Ratio: 55 db per channel.

Inputs: Hi-Z microphone and Hi-Z balanced bridge; Lo-Z microphone and Hi-Z balanced bridge with input transformers.

Input Sensitivity: —90 dbm to —35 dbm.

Outputs: Cathode follower, 2.5 volts ± 5 volt.

Weight: 350/600-ohm balanced, +3 dbm with output transformers.

Heads: Selectable Erase, 2-channel record and 2-channel play.

Weight: 47 pounds (55 pounds enclosed).

Dimensions: 17%" wide, 15%" high, 12" deep. (17%" wide, 14%" high, 12" deep enclosed).

50 cycle and quarter track versions available when ordered. FROM $995.

FROM $648.

1048 The Model 1048 recorder/reproducer by Magnecord utilizes 10" inch reels to provide 3 hours of uninterrupted record/playback time at 3.75 ips. Outstanding among its many features are the three separate motors. The hysteresis capstan motors for the exclusive capstan power source, with separate motors for payout and take-up reels. The tape gate drops away from head in high speed modes preventing needless head wear. Heads are polished to precise hyperbolic curves, and forced tape wrap assures intimate tape head contact for consistently good high and low frequency response.

Tape Speeds: 7.5 and 13 1/2 ips.

Flutter and Wow: 0.15% at 7.5 ips, 0.25% at 3.75 ips.

Timing Accuracy: 0.2%.

Reel Size: 5, 7, 8 1/4" and 10" inches.

Rewind Time: 2,400 feet in less than 90 seconds.

Frequency Response — Overall Record/Reproduce: 40 to 16,000 Hz ± 2 db at 7.5 ips; 50 to 7,500 Hz ± 2 db at 3.75 ips.

Signal-to-Noise Ratio: 52 db.

Inputs: Hi-Z microphone and Hi-Z balanced bridge; Lo-Z microphone and Hi-Z balanced bridge with input transformers.

Input Sensitivity: —90 dbm to —35 dbm.

Outputs: Cathode follower, 2.5 volts ± 5 volt.

Weight: 350/600-ohm balanced, +3 dbm with output transformers.

Heads: Selectable erase, 2-channel record and 2-channel play.

Weight: 47 pounds (55 pounds encased).

Dimensions: 17%" wide, 15%" high, 12" deep. (17%" wide, 14%" high, 12" deep enclosed).

50 cycle and quarter track versions available. FROM $995.

FROM $995.
QUALITY CONTROL

Magnecord and Viking tape recorders, Teleradio acoustic coupling, and Viking and Viking tape recorders are manufactured and assembled by experienced technicians at our 120,000 square foot headquarters. The Magnecord and Viking tape recorders are tested exhaustively by professional engineers with the most advanced electronic test equipment. Every Magnecord and Viking tape recorder is subjected to comprehensive tests including: playback and erase of tape; noise levels; wow, flutter, and hum; overall distortion; and frequency response. Magnecord and Viking tape recorders are tested under severe conditions that exceed those used by other major manufacturers. Magnecord and Viking tape recorders are tested in two full line laboratories, one located in the United States and the other in Canada. Magnecord and Viking tape recorders are supplied to the market and the quality requirements expected to be a prominent manufacturer.

FEATURES

MODEL 1000
Synchronous Synchronous Drive Motor
First Permanent Split-Capacitor Motor
Self-Start Motor
Automatic Synchrony
No Internal Synchrony
Rewind is by 18,000-X 02 HZ
SIGNAL-TO-NOISE: 60
FREQUENCY RESPONSE: 3-15 KHz
OUTPUT: 10 V
ONE YEAR WARRANTY

MODEL 1024
Synchronous Synchronous Drive Motor
First Permanent Split-Capacitor Motor
Self-Start Motor
Automatic Synchrony
No Internal Synchrony
Rewind is by 18,000-X 02 HZ
SIGNAL-TO-NOISE: 60
FREQUENCY RESPONSE: 3-15 KHz
OUTPUT: 10 V
ONE YEAR WARRANTY

Magnecord warranties in the user who is authorized to sell, distribute, or exhibit Magnecord products, and Magnecord warrants to the ultimate buyer of a Magnecord product that it is free from defects in material and workmanship under normal and normal use. Magnecord will repair or replace any part of a Magnecord product which is shown, in writing, to Magnecord to be defective in material or workmanship under normal and normal use, and Magnecord will, at its option, repair or replace such part, at no cost to the ultimate buyer. The ultimate buyer shall return to Magnecord such defective part, at no cost to Magnecord or Magnecord’s authorized distributor, who shall have the discretion to decide whether to repair or replace the returned part. Magnecord shall have the right to inspect the defective part and determine whether it will be repaired or replaced. Magnecord will save the defective part, and Magnecord shall have the right to dispose of the defective part, at no cost to Magnecord or Magnecord’s authorized distributor.

ONE YEAR WARRANTY

Magnecord warranties in the user who is authorized to sell, distribute, or exhibit Magnecord products, and Magnecord warrants to the ultimate buyer of a Magnecord product that it is free from defects in material and workmanship under normal and normal use. Magnecord will repair or replace any part of a Magnecord product which is shown, in writing, to Magnecord to be defective in material or workmanship under normal and normal use, and Magnecord will, at its option, repair or replace such part, at no cost to the ultimate buyer. The ultimate buyer shall return to Magnecord such defective part, at no cost to Magnecord or Magnecord’s authorized distributor, who shall have the discretion to decide whether to repair or replace the returned part. Magnecord shall have the right to inspect the defective part and determine whether it will be repaired or replaced. Magnecord will save the defective part, and Magnecord shall have the right to dispose of the defective part, at no cost to Magnecord or Magnecord’s authorized distributor.

Magnecord encourages all users to contact their local Magnecord distributor for warranty information. Magnecord distributors are authorized to sell, distribute, or exhibit Magnecord products, and Magnecord warrants to the ultimate buyer of a Magnecord product that it is free from defects in material and workmanship under normal and normal use. Magnecord will repair or replace any part of a Magnecord product which is shown, in writing, to Magnecord to be defective in material or workmanship under normal and normal use, and Magnecord will, at its option, repair or replace such part, at no cost to the ultimate buyer. The ultimate buyer shall return to Magnecord such defective part, at no cost to Magnecord or Magnecord’s authorized distributor, who shall have the discretion to decide whether to repair or replace the returned part. Magnecord shall have the right to inspect the defective part and determine whether it will be repaired or replaced. Magnecord will save the defective part, and Magnecord shall have the right to dispose of the defective part, at no cost to Magnecord or Magnecord’s authorized distributor.

Magnecord encourages all users to contact their local Magnecord distributor for warranty information.
Fig. 1 First check the operating performance. The Magnecord is precisely engineered for non-stop operation of high fidelity tape recorders. Thus, you can depend upon the smooth, effortless starts and stops. This means that no additional strain can be placed upon the drive mechanism or the instrument itself.

Fig. 2 The Tape Drive System

Fig. 3 The heart of the tape drive system is theSprocket synchronous motors that operate the entire mechanism. The motors are mounted in a precise, very rigid manner. When line voltage is applied, the motor operates exclusively as a power source for the motor and feed mechanism, and is otherwise idled by heavy duty, high-speed synchronous motors. Compliance

Fig. 4 Magnecord reproduces the very finest high-fidelity tape. Critical components are carefully selected to ensure the smoothest, most accurate reproduction.