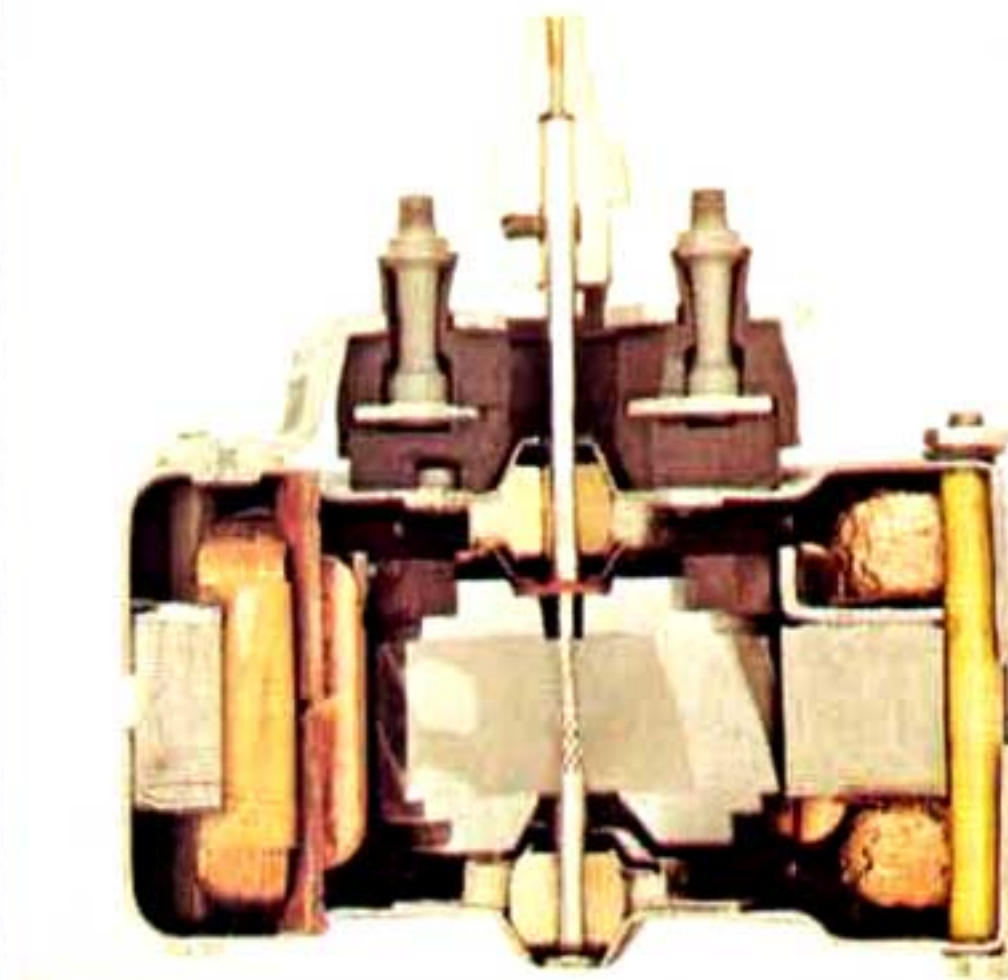
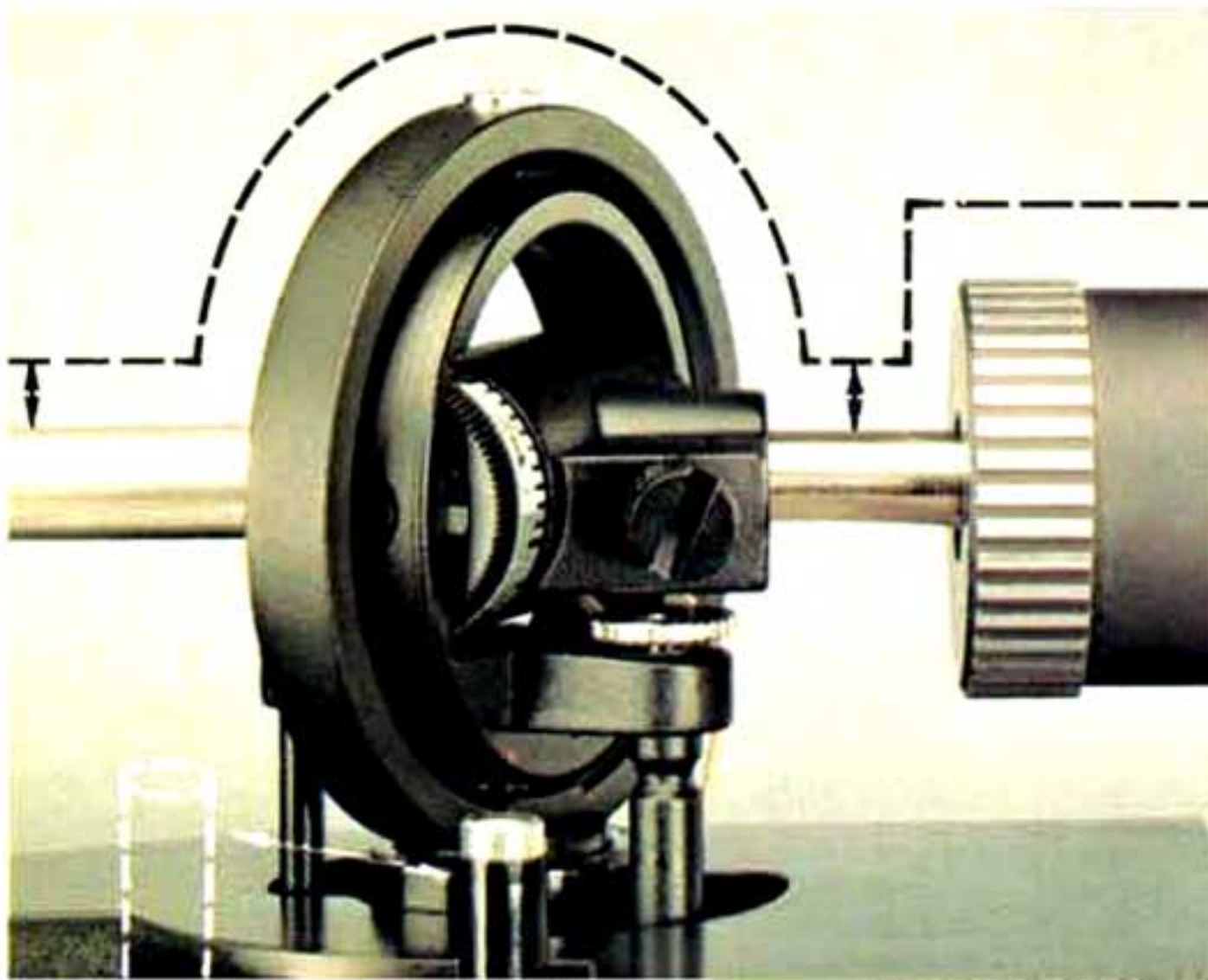
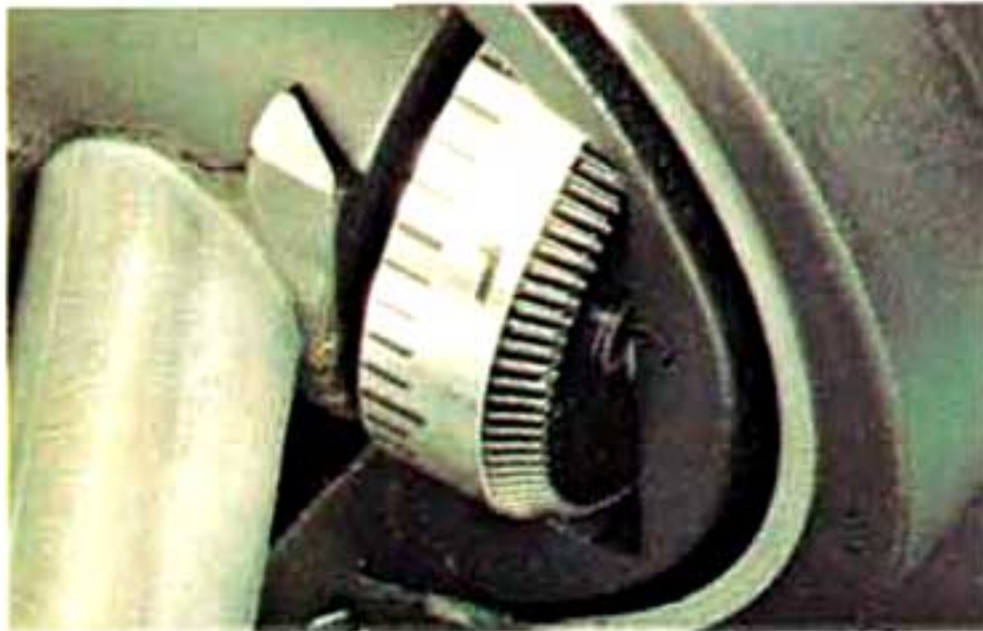


**Your records will appreciate  
Dual precision  
even more than you do.**



## Which Dual for you?

All Dual automatic turntables offer the following features: Low-mass counter-balanced tonearm with jamproof slipclutch. Direct-dial settings for applying tracking pressure. Anti-skating. Constant-speed motor. 6% pitch-control for all three speeds (33-1/3, 45, 78 rpm). Silicone-damped cue control. Interchangeable single-play and elevator-action changer spindles (for up to six records). Master operating switch for all start and stop functions. Fully automatic and manual operation in both single-play and changer modes. Additional features and refinements are described with the individual models.



### Dual 1216 Auto/Standard Turntable.

The 1216 should probably be considered Dual's "best buy." In addition to all of Dual's "standard" features, it has an anti-skating system with two separate calibrations; one for conical-styli, one for elliptical styli. (This is identical to the system used in the 1218 and 1229.) The 1216 platter is a one-piece die-casting that weighs a full four pounds. Dual's powerful hi-torque motor brings the platter to full speed in less than a quarter turn and maintains speed within 0.1% throughout a wide range of line voltage variations. Special low-friction bearings assure flawless tracking at as low as 0.75 gram. \$154.95.

For perfect tracking balance in each wall of the stereo groove, separate anti-skating calibrations are provided for conical and elliptical styli.



### Dual 1218 Auto/Professional Turntable.

With its precision features and fine performance, the 1218 has become the most popular turntable Dual has ever made.

Here are two of the reasons: Twin-ring gyroscopic gimbal; centers and balances tonearm within both axes of movement. And all four pivots have identical low-friction bearings.

Tracking Angle Selector, designed into the cartridge housing, provides perfect tracking in single play and at center of stack in multiple play. Other reasons: Flawless tracking at as low as 0.5 gram. High torque/synchronous motor provides high starting torque and maintains absolute constant speed

no matter how much line voltage may vary. One-piece 4 lb. cast platter. Single-play spindle that rotates with the platter. Silicone-damped cue control. \$189.95.



The tonearms of the Dual 1218 and 1229 are mounted in gyroscopic gimbals, the best known scientific means for mounting a precision instrument that must remain balanced in all planes of motion.

### Dual 1229 Professional Automatic Turntable.

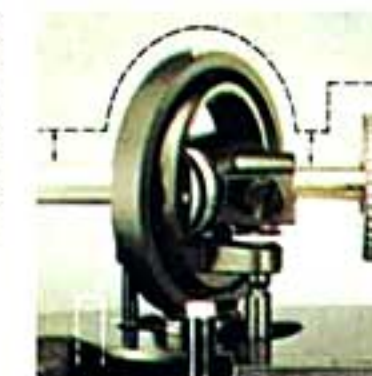
With the 1229, Dual has achieved what many audio experts have called the "no-compromise" automatic. The most dramatic example of this is the Mode Selector that shifts the entire tonearm base

—down for single play, up for multiple play. Thus the stylus tracks at precisely the correct angle in both modes of play. The 8-3/4" tonearm, longest of any automatic, tracks flawlessly at as low as 0.25 gram.

Other 1229 features include 12" dynamically balanced 7 lb. platter; powerful continuous-pole/synchronous motor. Built-in illuminated strobe with adjustable viewing angle for convenient viewing whether 1229 is on shelf or in cabinet. Tracking pressure dial calibrated in tenths of a gram. Chassis is only 14-3/4" x 12", unusually compact for a full-size platter. \$259.95.

Tracking pressure dial calibrated in tenths of a gram. Chassis is only 14-3/4" x 12", unusually compact for a full-size platter. \$259.95.

Unlike conventional tonearms the 1218 and 1229 track records at the original cutting angle. The 1229 tonearm parallels single records moves up to parallel changer stack. In the 1218, a similar adjustment is provided in the cartridge housing.



### Dual 1214 Automatic Turntable.

You would expect a difference in performance between the more expensive Duals and the 1214. And there is, but not a big one. The higher-priced models have more features and refinements, but the 1214 is made to the same high standards of precision and reliability. To achieve this high level of performance at a relatively modest price, Dual simply did what other manufacturers cannot. We borrowed from our own more expensive models. Thus, the 1214 has all the features listed above. And in operating ease and convenience, it is identical to all the other Duals. The tonearm can track flawlessly at one gram. \$119.95.



In all Dual models, tracking pressure is applied around the pivot, maintaining perfect dynamic balance of the tonearm.

# **Your records represent a major investment. Does your record player protect it?**

When you think about the components in your stereo system, chances are you think about your turntable, tape deck, receiver and speaker systems. But unless you include one more, you will be overlooking the most expensive component of them all: your record collection.

Your records are not only your biggest investment today, but an investment that will continue to grow; and it's the most vulnerable as well. Which brings us to the turntable, the one component that can preserve that investment indefinitely, or cause it to diminish each time a record is played. The difference may not be immediately apparent to your ear, but it will be to your records.

The interaction between record and stylus might be likened to a badly matched game of follow the leader. As the record rotates, the hard diamond stylus must follow the intricate contours of the soft vinyl record groove with the most exquisitely balanced agility. The velocity of the stylus is often incredibly high: moving up, down and sideways as rapidly as 15,000 times a second for the high frequencies.

These frequencies appear to the stylus as very sharp and delicate peaks. Any contour the stylus cannot trace, it

will simply lop off, and with those little bits of vinyl go all these glorious high notes. Only a highly sensitive and well-trained ear is likely to detect premature record wear, and when the more typical ear detects such wear, it's very likely too late.

To avoid such concern, serious music lovers entrust their precious records only to the finest precision turntables and tonearms. Many professionals won't play their records on anything but a Dual. And for years, readers of the leading music magazines have bought more Duals than any other make of quality turntable.

Today, there are four Duals. Even the lowest-priced Dual meets the most demanding criteria for record playback and preservation, including the demands of the new, four-channel records. Although there are differences from Dual to Dual, these are essentially differences in features and refinements. In reliability, ruggedness and precision, all Duals are identical. And there is also no difference in the ease, simplicity and versatility of operation.

On the following pages, you will find each Dual model described in detail; and on the back page, we have prepared a feature-comparison chart to further help you make your decision.



Tonearm design/settings

Balance method	Dynamically counterbalanced, all planes		
Suspension type	needle-point bearings	four point ring-in-ring gimbal	
Pivot to stylus, in.	8-1/4		8-3/4
Horiz. friction, milligrams	40	25	20
Vert. friction, milligrams	10	9	8
Tracking pressure range	0-5.5 grams		0-3.0 grams
Vertical tracking angle	fixed	adjustable	
Anti-skating setting	3-position	continuously variable, calibrated separately for conical & elliptical styli	
Cartridge wt. range, grams	1-8		1-12
Min. tracking force, grams	1.0	0.75	0.5

Platter

Diameter	10-5/8"		12"
Type	laminated steel	one-piece zinc alloy casting	one-piece zinc alloy casting, dynamically balanced
Wt. lbs.	3-1/4	4	7

Drive System

Motor type	hi-torque	hi-torque/synchronous	continuous-pole/synchronous
Speeds	33, 45, 78 rpm		
Pitch control	6% range (demitone)*		

Operation

Cue control	damped descent	damped ascent & descent
Single-play spindle	non-rotating	rotating
Multiple-play spindle	self-stabilizing, six record capacity	

Dimensions, weight

Chassis, w x d	13 x 10-3/4"		14-3/4 x 12"
Required clearance, above	5"		
Required clearance, below	2-5/8"		3"
Weight, lbs.	12-1/4	13	14

\* 1229 has built-in illuminated strobe



**Bases and dust covers**

- A. **Model MB-10.** Molded base for 1214, 1216 and 1218. \$9.95
- B. **Model WB-12.** Walnut base for 1214, 1216 and 1218. \$13.95
- C. **Model DC-4.** Smoke-tinted dust cover for MB-10 and WB-12 bases. Hinges allow tilting or removing. \$12.95
- D. **Model DCB-5.** Scandinavian-inspired, base and dust cover combination for 1214, 1216 and 1218. \$44.95
- E. **Model WB-19.** Walnut base for 1229. \$15.95
- F. **Model DC-9.** Smoke-tinted dust cover for WB-19 and WB-19X bases. \$15.95
- G. **Model WB-19X.** Walnut base for 1229. Hinged front panel contains storage compartment for cartridges and spindles. \$29.95
- H. **Model DC-9X.** Smoke-tinted dust cover for WB-19 and WB-19X bases. Hinged front section folds up and back. \$39.95
- I. **Model DCB-6.** Scandinavian-inspired, base and dust cover combination for 1229. \$44.95

**Dual** United Audio Products, Inc., 120 So. Columbus Ave., Mt. Vernon, N.Y. 10553  
 Exclusive U.S. Distribution Agency for Dual.