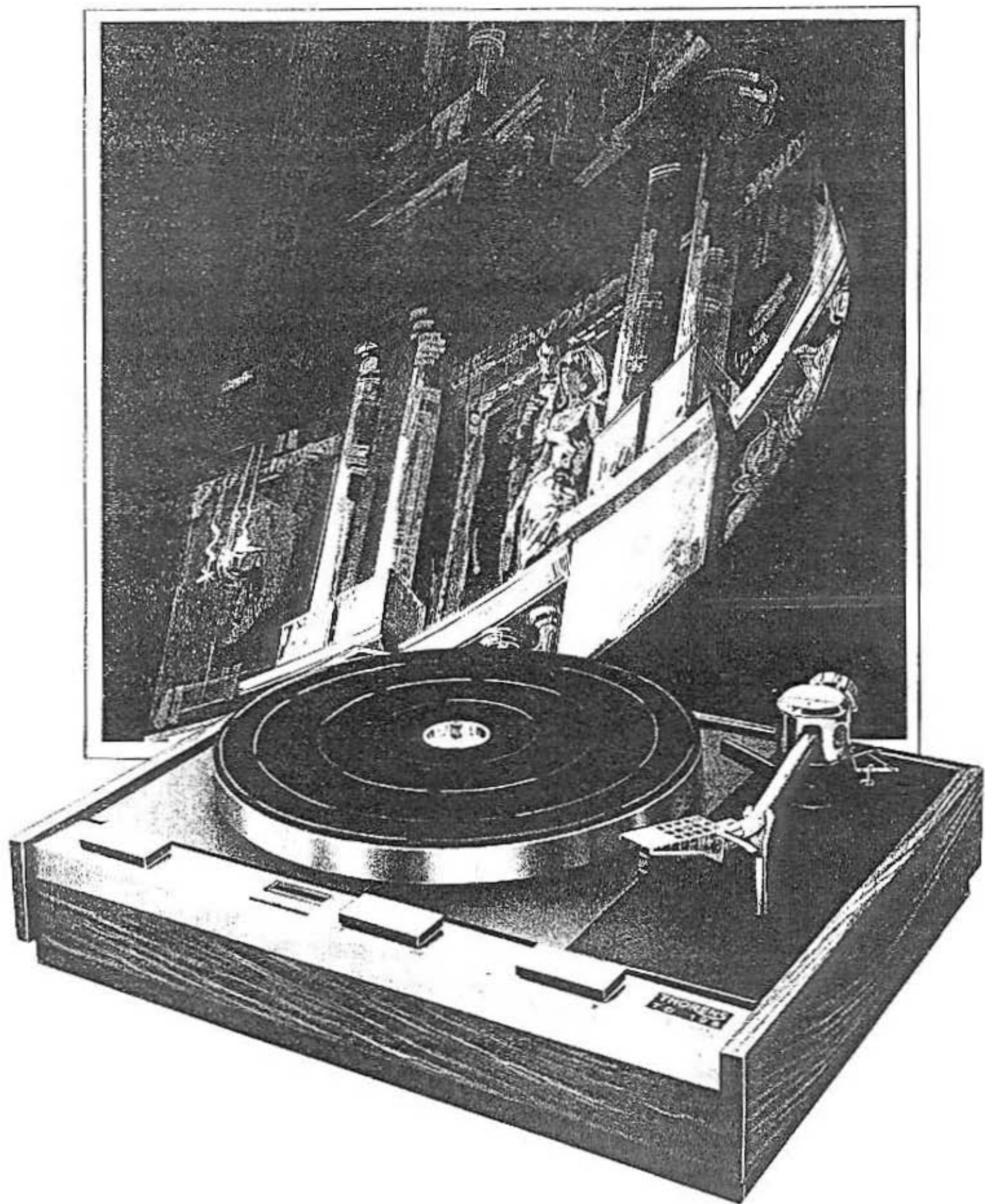


# THORENS

THE WORLD'S FINEST TRANSCRIPTION TURNTABLES





There's no room for compromise when you build the world's finest transcription turntables. With a tradition of more than three quarters of a century dedicated to achieving the ultimate in sound reproduction, Thorens offers meticulous Swiss quality and precision combined with innovation in design. Each Thorens unit incorporates the most advanced engineering features. Regardless of which Thorens professional quality turntable you select you are assured superb performance.

## THORENS TD-150 MARK II

The handsome slim line chassis of this 2-speed integrated transcription turntable houses a host of advanced design features.

**Precision Cueing Synchronizer** — Conveniently positioned at the front, it is isolated from the tonearm. Suspends and lowers the arm smoothly and gently into the groove. Extends life of stylus and records.

**Anti-skate Control** — Maintains stylus position precisely on both walls of the stereo groove for distortion-free reproduction.

**Adjustable Low Mass Plug-in Shell** — Permits tracking angle adjustment to ideal 15° angle. Low friction accommodates high compliance cartridges.

**Tonearm Balance & Stylus Tracking Force Regulation** — Half gram adjustments down to 0.5 gram. Tracking error is below 0.2% cm of radius.

**New Action Glide Speed Adjustment** — Changes speed smoothly and rapidly without jolting stylus.

**Precision Balanced Turntable** — 7 lbs., 12-inch non-magnetic platter. Flywheel action absorbs speed variations, eliminates wow and flutter.

**Unified Suspension System** — Eliminates rumble effects of the chassis, motor, acoustic feedback and outside vibrations.

**Double 16-pole Synchronous Motor**—Constant and smooth in-phase precise speed. Regularity better than  $\pm 0.1\%$ . Drive belt system further reduces rumble.

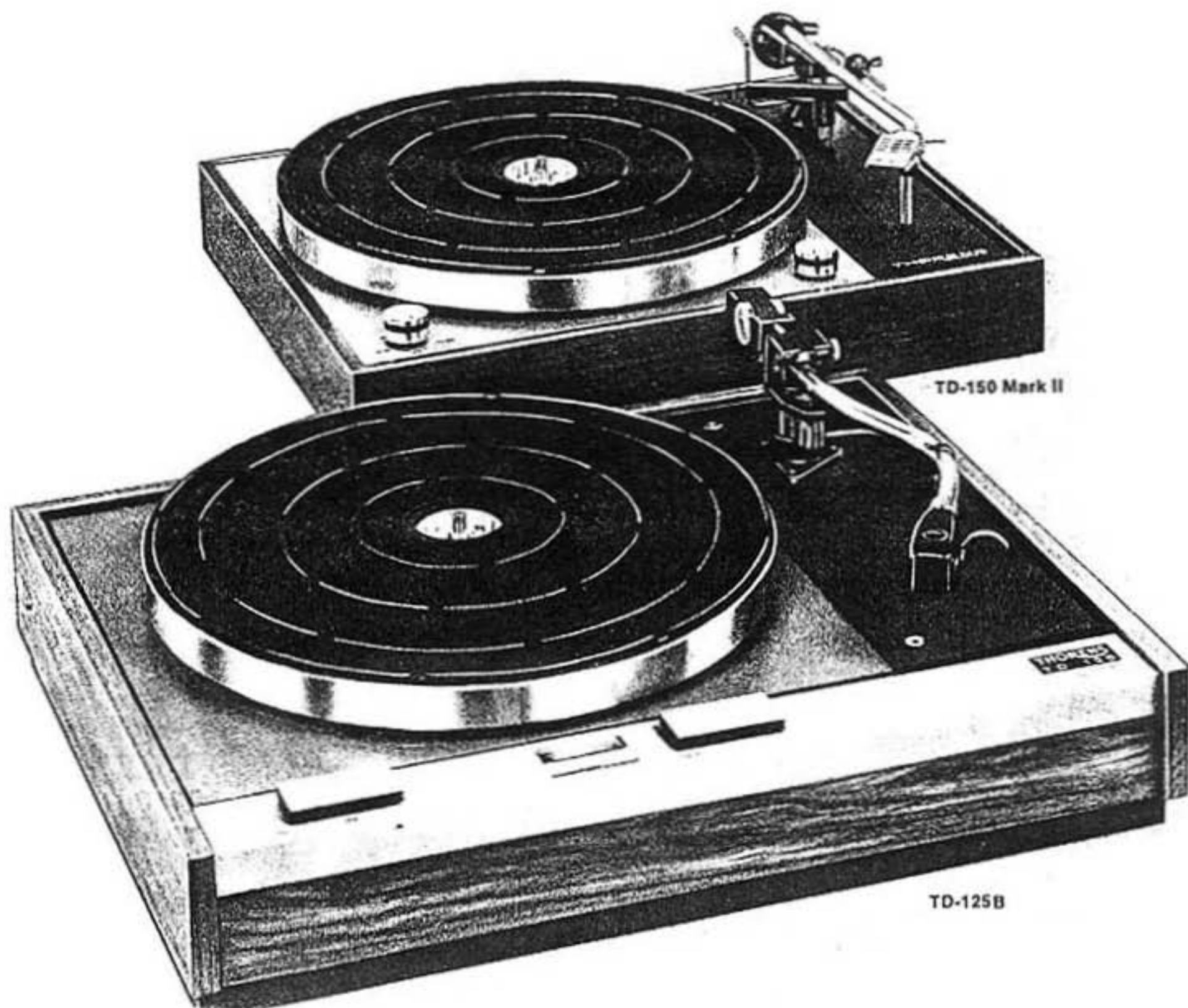
**Speeds** —  $33\frac{1}{3}$ , 45 rpm.

**Dimensions** —  $15\frac{1}{2}'' \times 12\frac{1}{2}'' \times 5''$ . TX 11 dust cover available. (For complete accessories, see back page.)

## THORENS TD-125 SERIES 3-SPEED TRANSCRIPTION TURNTABLES

Perfection is achieved by the precise blending of specific ingredients. To build the TD-125 Thorens started with the dedicated idea to produce the world's finest transcription turntable. They then incorporated the newest engineering concepts . . . originality in design . . . scrupulous attention to detail . . . quality components and the most exhaustive quality control program.

Small wonder Stereo Review characterized the TD-125



TD-125B

TD-150 Mark II

as . . . "unquestionably one of the elite among record players. It would be hard to imagine a unit that performs better."

Equally as superlative is the laboratory testing report from High Fidelity . . . "All told, the TD-125 . . . shapes up as the best three-speed manual we've yet tested."

Here are the no-compromise refinements that elicited this brilliant acclaim.

#### **Solid State Circuitry — A Key Component**

The TD-125 has taken a giant step in banishing rumble. Solid state circuitry replaces the conventional mechanical methods used for speed control. This reduces the number of moving parts and total mass so frequently a rumble producing factor.

#### **Wien Bridge Oscillator for Precise Speed Control**

Motor rotor velocity, another rumble originator, is precisely governed by a dependable Wien Bridge transistorized oscillator. Its frequency is varied exactly (by a gold plated switch) to change the speed of the motor. These adjustments may be viewed instantly on the built-in stroboscope.

#### **Reduced Motor Speed Suppresses Rumble**

Motor rotor speed has been reduced to an incompar-

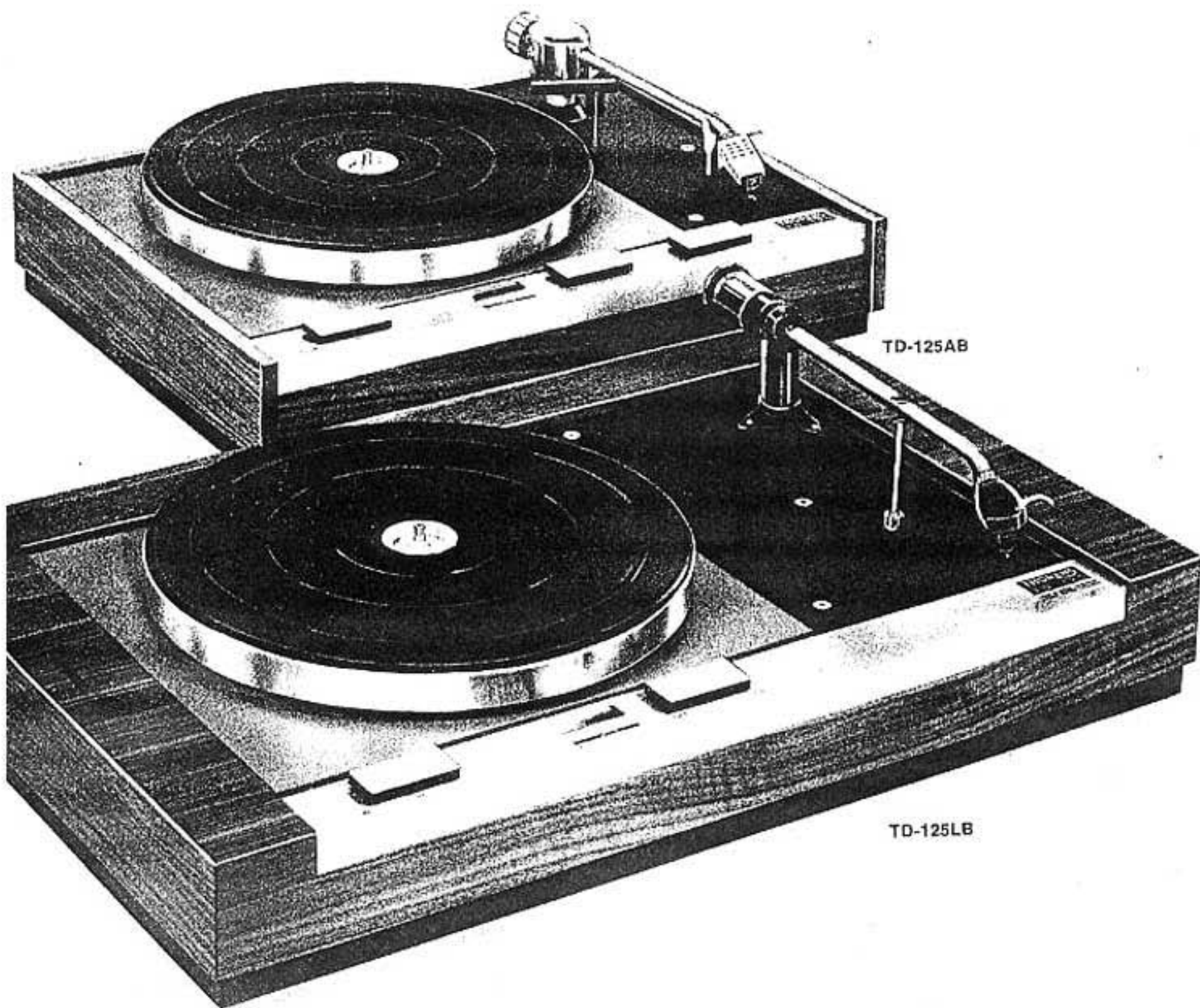
able 250 rpm at 33 $\frac{1}{3}$  rpm turntable speed. By combining this factor with solid state circuitry and the Wien Bridge oscillator Thorens has reduced rumble to an infinitesimal and inaudible -48db (-68db weighted) — less rumble than any other turntable on the market!

#### **Belt-Driven 16-Pole Synchronous Motor — Power to Spare**

The powerful and dependable 16-pole synchronous motor is mounted on a separate, but integrated chassis. A long and resilient belt-drive system acts as a filter between the motor pulley and the large diameter flywheel of the turntable. Powered by a push-pull amplifier which can produce 20 watts, the motor uses only 5 watts allowing for considerable power to spare. Trouble-free, this miniature dynamo assures constant and smooth in-phase precise speeds at 16 $\frac{2}{3}$ , 33 $\frac{1}{3}$  and 45 rpm. Another professional touch from Thorens.

#### **Tonearm and Drive System Isolated for Shock-Free Operation**

The tonearm and turntable platter are mounted on an independent chassis. This unit is then shock mounted to another chassis which houses the drive system and controls. As a consequence the tonearm is protected against shocks when the controls are operated. Acous-



tic feedback is minimized because of the absence of vibrations. Vibrations are further decreased by the precision polished, self-lubricating bearings of the turntable platter.

#### Changeable Tonearm Mounting Board

complete flexibility to change over to any tonearm and cartridge your system requires. With the Thorens tonearm board off-the-chassis tonearm installation is simply and precisely achieved, and always in correct alignment.

#### Dynamically Balanced Turntable Platter

Weighing 7 lbs. and measuring a full 12 inches, the anti-magnetic die cast platter is dynamically balanced for low wow and flutter. The center piece may be inverted for use with 45 rpm records.

#### Simplified Operation

All controls are conveniently accessible on the front panel. You see only the On/Off slide switch, the 3-speed selector, fine speed control and the illuminated window for the stroboscope. The TD-125AB has an additional fingertip switch for precision cueing control.

#### Three Year Warranty

Thorens backs up its precision engineering with a full

three year warranty on parts and labor.

#### There's a TD-125 model to suit every requirement

**TD-125B** — Mounted on walnut base. Illustrated below with Ortofon RS-212T25 12" professional tonearm. Accommodates any transcription tonearm and cartridge.

**TD-125AB** — Mounted on walnut base. Includes Thorens TP25 9" tonearm. Vernier adjusted tracking force from 1/4 to 4 grams. Tracking error less than 0.2% cm of radius. Includes anti-skate control. Cueing control conveniently positioned on the front panel, independent of tonearm.

**TD-125LB** — Mounted on oversize walnut base to accommodate 16" tonearms. Illustrated below with Ortofon RMG-309 16" professional tonearm. Designed for use with any 16" transcription tonearm and cartridge.

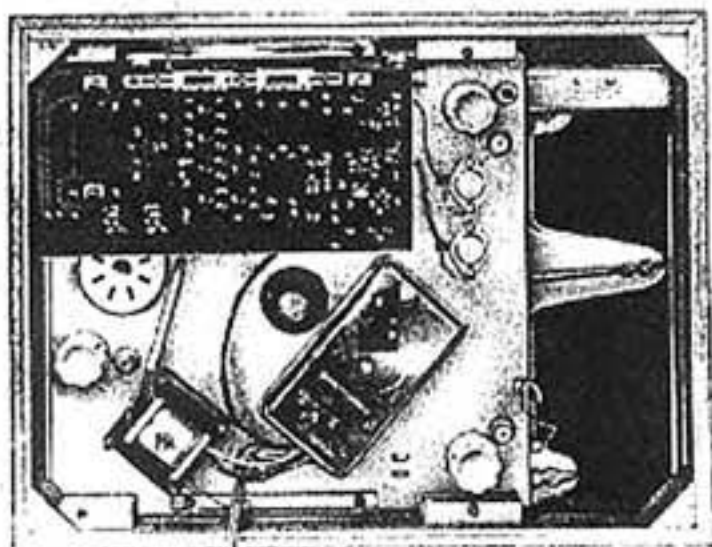
**TD-125** — For custom installations. This unit can be purchased with the Thorens CE-509 molded mounting frame.

**Power requirements:** 110-130 volts AC, 220-240 volts AC, 15 watts. 50/60Hz.

**All TD-125 Series Dimensions:** 18"(L) x 5"(H) x 14"(W). Note: the TD-125LB length is 24".

### Thorens TD-125 Decisions For Precision

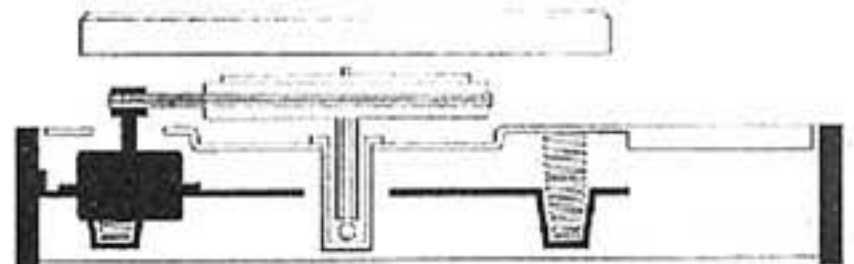
Take the vital area of motor rotor speed control. It must be precise or the Dance of the Hours can sound like *Danse Macabre*. Thorens' solution — solid state circuitry combined with a Wien Bridge transistorized oscillator whose frequency can be varied precisely to change the speed of the 16-pole synchronous motor. And, if you want to vary this speed as much as 2% either way, you can make instant vernier adjustments and monitor them on the built-in illuminated stroboscope, viewed through a window in the control board.



The 16-pole synchronous motor is thoroughly isolated (from the tonearm mount and turntable assembly) along with the controls, on its own chassis. This powerful unit, operating at an incredibly low 250 rpm at 33 1/3 rpm turntable speed, maintains constant speed and is unaffected by line frequency changes. Further, rumble is reduced to an absolute minimum 48db. (-68db weighted). The action of the lengthy drive belt system absorbs vibrations of the motor pulley and the turntable's flywheel, completely eliminating all wow and flutter.



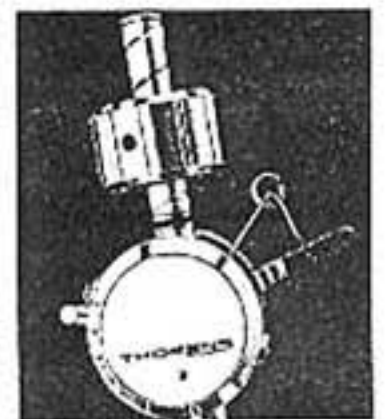
The shock-free, vibration-free suspension system is proof of superior Thorens design. Two independent chassis — one for the tonearm and turntable platter, the other for the drive system and controls — are shock mounted together for integrated operation. The controls can never affect the platter or tonearm.



While you have the flexibility to select the tonearm and cartridge of your choice to use with the TD-125, TD-125B and TD-125LB, the TD-125AB is equipped with the excellent Thorens TP25 low mass, tubular tonearm. Measuring 9", it is mounted on finely honed and polished ball races

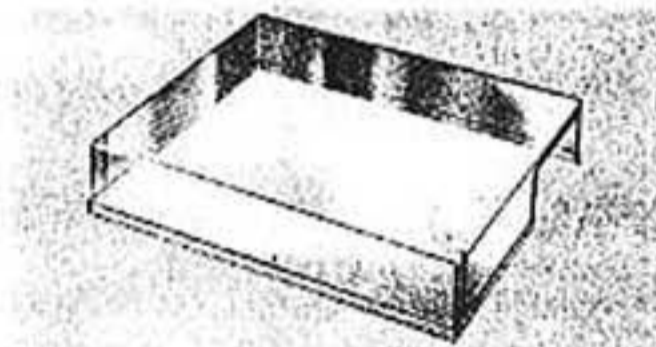


at both the horizontal and vertical pivot points. This reduces friction to an absolute minimum. Its lightweight plug-in shell may be adjusted for the optimum 15° tracking angle. Stylus force, depending on the cartridge used, is adjustable from 1/4 to 4 grams. Facility is also provided for anti-skating control. Tracking error is less than 0.2%.





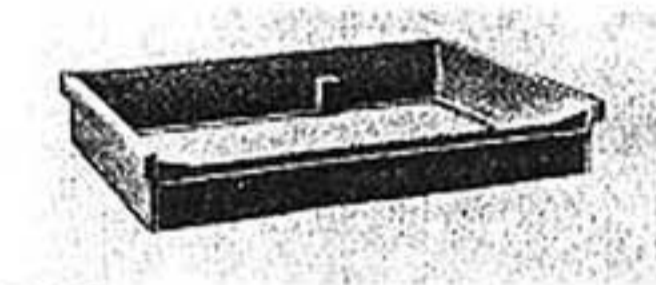
WB-125



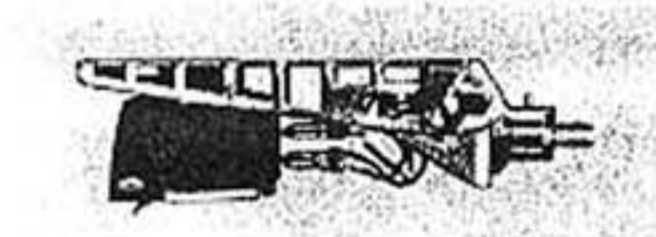
TX-11



TX-25



CE-509



TP-50

The same meticulous quality and styling that is built into every Thorens turntable is also inherent in all Thorens accessories. You expect the finest from Thorens. And you get it.

#### Wooden Bases

WB-125 Walnut Base for TD-125, TD-125AB

#### Dust Covers

TX-11 Dust Cover for TD-150 Mark II

TX-44 Dust Cover for TD-125B, TD-125AB

TX-25 Dust Cover with Hinge for TD-125B, TD-125AB

TX-25L Dust Cover with Hinge for TD-125LB

#### Mounting Bracket

CE-509 Molded Mounting Frame for TD-125, TD-125AB  
 Outside Dimensions: 18-5/16"x14"  
 Cut-out Dimensions: 15 1/2"x13 1/8"

#### Tonearm Mounting Boards

AS-24 12" Tonearm Mounting Board for TD-124/II

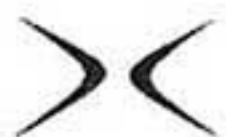
AS-25 12" Tonearm Mounting Board for TD-125

AS-25/16 16" Tonearm Mounting Board for TD-125

AS-25SME 12" Tonearm Mounting Board for TD-125  
 and SME Tonearm

#### Plug-in Shells

TP-50 Plug-in Shell for TP-14, TD-150AB,  
 TD-150 Mk. II and TD-125B Tonearms



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