

# LEBRA

**transcription turntables**

caz-tech

# ERA

## a large research department

ERA stands for Etudes et Recherches Acoustiques (Acoustic Studies and Research). We spend more and more every day on research. Day after day, our engineers examine (and destroy) all available products and look for new designs. This is how we made "firsts" like the integrated "Bloc-Source", the "friction-free" horizontal pivot for the arm (world patent). Those who prefer an ERA turntable do so because they share with us this enthusiasm for Research.

## a large manufacturing firm

What was only a small shop six years ago has now turned into a large manufacturing concern. The plant located outside Paris, employs more than 300 workers. It is staffed by the best R and D department for turntables one can imagine. It has been acting as a turntable consultant to major international companies in the Radio Industry. This is why ERA turntables are dependable, inexpensive and of top quality. In most countries, they say: "ERA: rumble free".

## doing business throughout the world.

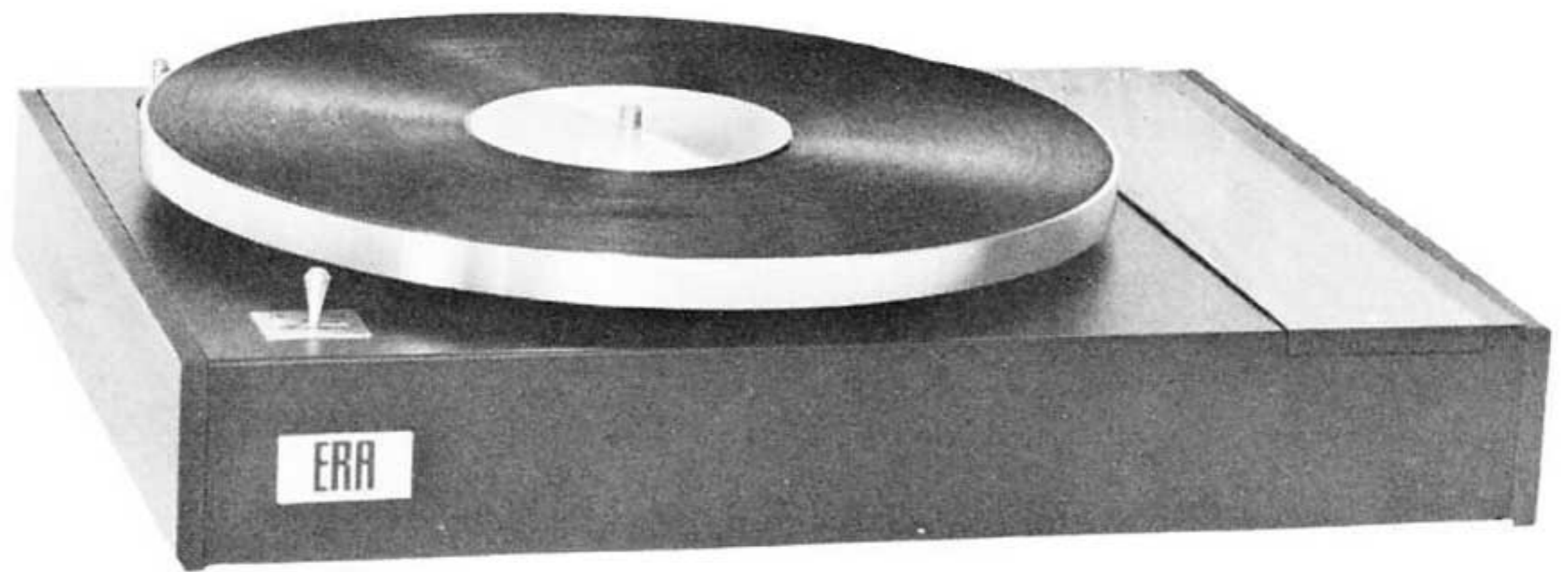
80% of the turntables we manufacture are exported as far away as Australia. The most demanding audio enthusiasts have been delighted with our design. We are very proud to be serving our customers all over the world.

For the dealer nearest you, write or call *caz-tech Ltd.*  
282 belfield rd., rexdale 605, ontario 416-678-1966  
467 deslauriers ave., ville st. laurent, quebec. 514-334-5300

# MK6

Handsomely styled, the "MK6" incorporates ERA's neoprene "silent-block" suspension which absorbs all room vibrations. A tone arm is not included with the MK6 allowing you the flexibility of adding the arm of your choice.

- Double 48 pole synchronous motor
- die-cast aluminum non-magnetic platter
- Belt driven: the neoprene belt is ground to a tolerance of  $\pm 5 \mu$
- Total wow and flutter at 33-1/3 rpm:  $< 0.04\%$
  
- Rumble at 33-1/3 rpm:  $< -52\text{dB (DIN A)}$   
 $< -73\text{dB (DIN B)}$
- Neoprene "silentblock" suspension
- 2 Speeds: 33-1/3 and 45 rpm.
- Dimensions (including dust cover)  
Height: 5-1/2"  
Width: 16-1/2"  
Depth: 12-1/2"



# 444

The "444", introduced this year, features economy without sacrificing the precision quality characteristic of ERA manual turntables.



- Double 48 pole synchronous motor
- die-cast aluminum non-magnetic platter
- Belt driven: the neoprene belt is ground to a tolerance of  $\pm 5 \mu$
- Total wow and flutter at 33-1/3 rpm:  $< 0.04\%$
  
- Rumble at 33-1/3 rpm:  $< -52\text{dB (DIN A)}$   
 $< -73\text{dB (DIN B)}$
- ERA K-3 low-mass tone arm tracks from 0-2.5 gms.
- Easily detachable cartridge carrier
- Neoprene "silentblock" platter suspension
- Anti-skating control
- Silicone damped cueing
- 2 speeds: 33-1/3 and 45 rpm
- Dimensions (including dust cover)  
Height: 5-1/2"  
Width: 16-1/2"  
Depth: 12-1/2"

# 555

The ERA 555 incorporates a floating suspension which independently suspends the platter and tone arm on their own chassis. This design together with the construction of the K-3 tone arm virtually eliminates acoustic feedback and rumble.



- Double 48 pole synchronous motor
- die-cast aluminum non-magnetic platter
- Belt driven: the neoprene belt is ground to a tolerance of  $\pm 5 \mu$
- Total wow and flutter at 33-1/3 rpm:  $< 0.04\%$
- Rumble at 33-1/3 rpm  $< -52\text{dB (DIN A)}$   
 $< -73\text{dB (DIN B)}$
- ERA K-3 low-mass tone arm tracks from 0-.2.5 gms.
- Easily detachable cartridge carrier
- Independent tone arm and platter suspension
- Anti-skating control
- Silicone damped cueing
- 2 speeds: 33-1/3 and 45 rpm.
- Dimensions (including dust cover)  
Height: 5-1/2"  
Width: 16-1/2"  
Depth: 12-1/2"

# 666

The "666" is the most advanced in the ERA line of manual transcription turntables. Free floating independent suspension of the arm and platter combined with ERA's K-5 tone arm offers sound reproduction capabilities which defy description. The axis of ERA's unique K-5 tone arm is at record level thus eliminating warp wow. The era "666" is fitted in an oiled walnut base and includes a plexiglass dust cover.

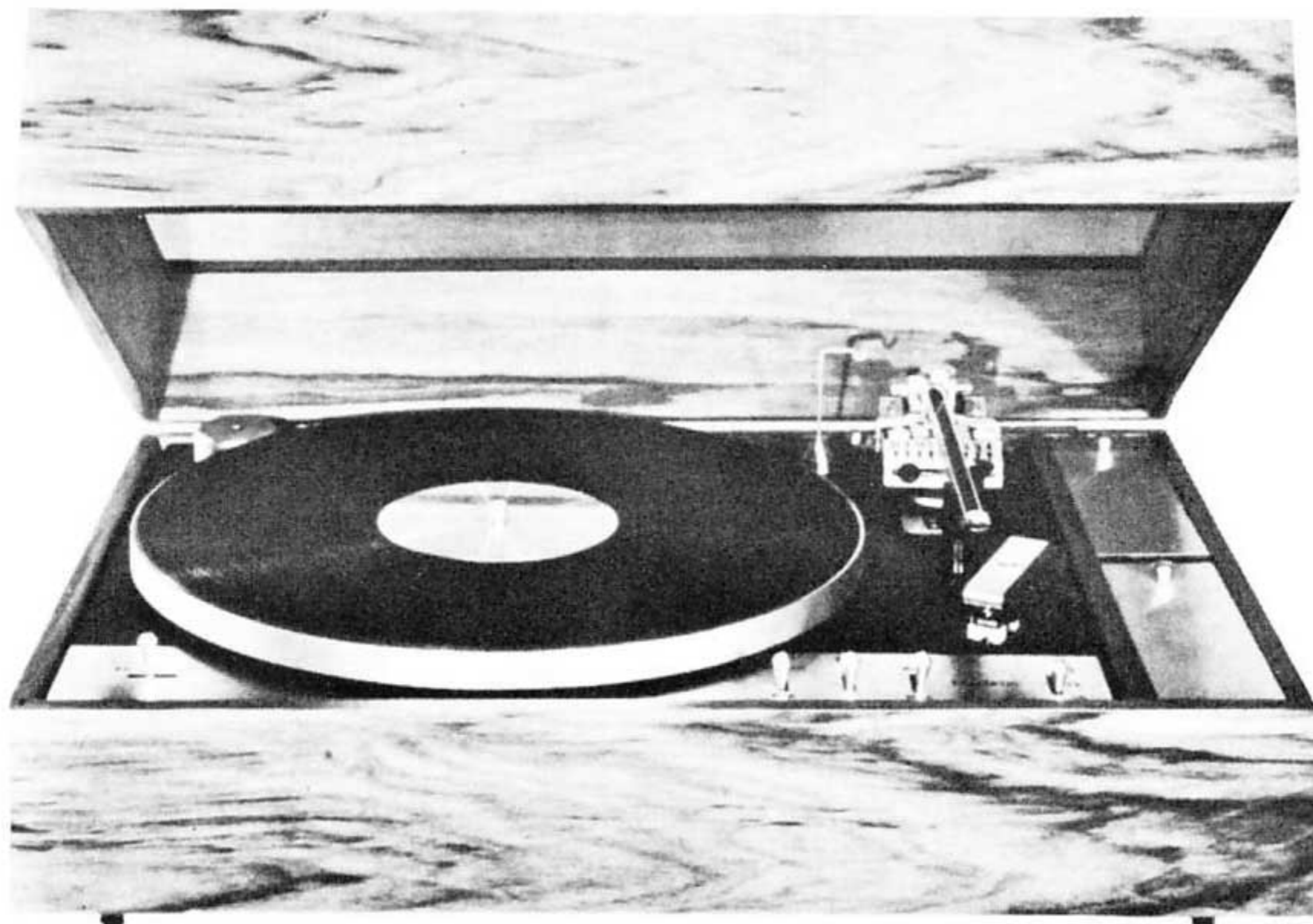
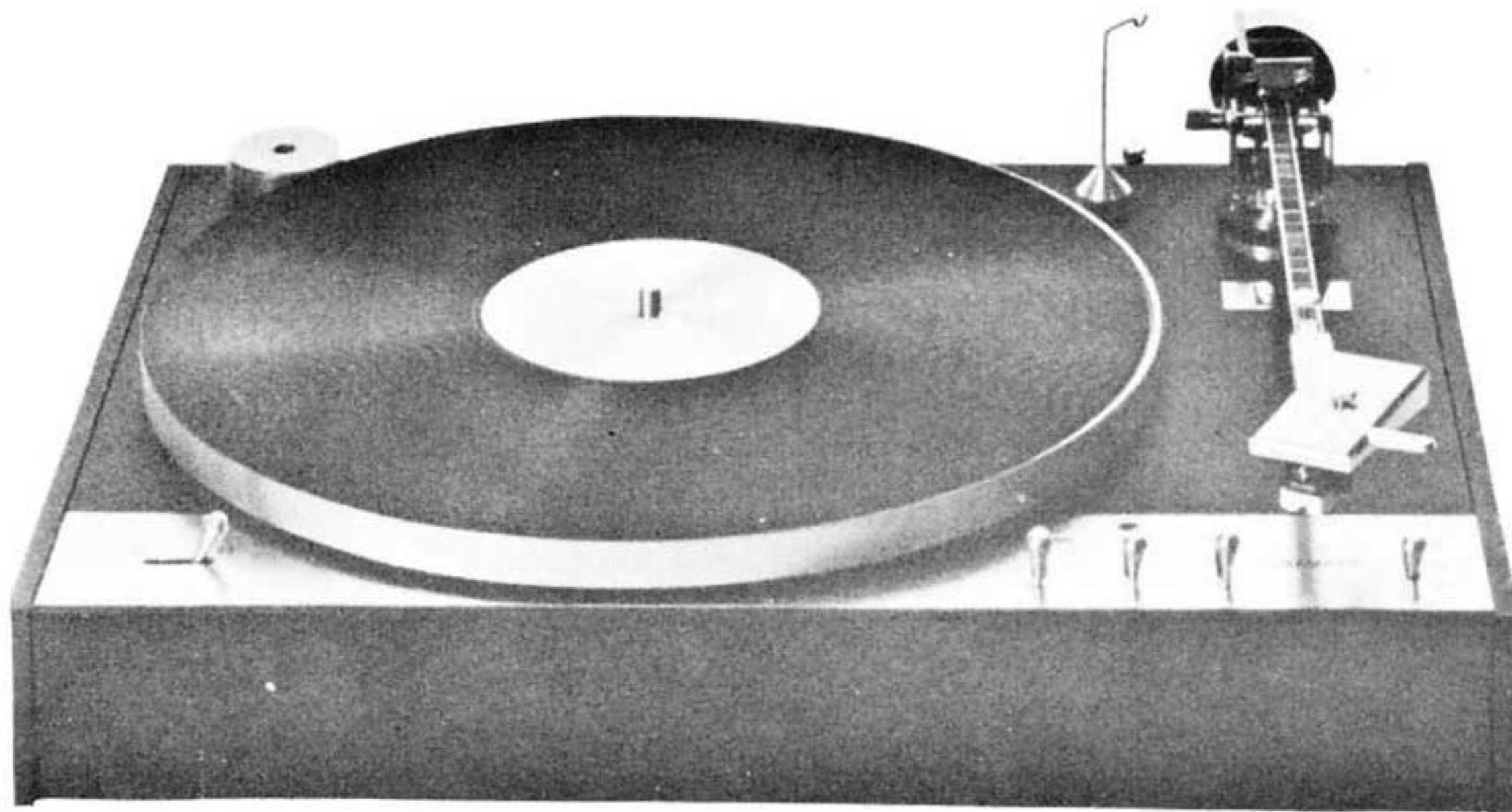
- Double 48 pole synchronous motor
- die-cast aluminum non-magnetic platter
- Belt driven: the neoprene belt is ground to a tolerance of  $\pm 5 \mu$
- Total wow and flutter at 33-1/3 rpm:  $< 0.04\%$
- Rumble at 33-1/3 rpm:  $< -52\text{dB (DIN A)}$   
 $< -73\text{dB (DIN B)}$
- ERA K-5 tone arm with its world patented "frictionless" pivot tracks from 0-2.5 gms.
- Easily detachable cartridge carrier
- Independent suspension of tone arm and platter
- Anti-skating control
- Silicone damped cueing
- 2 speeds: 33-1/3 and 45 rpm.
- Dimensions (including dust cover)  
Height: 5-1/2"  
Width: 16-1/2"  
Depth: 13-1/4"



# Eramatic 3

- Automatic 2 motor transcription turntable
- Double 48 pole synchronous drive motor
- die-cast aluminum non-magnetic platter
- Belt-driven: neoprene belt is ground to a tolerance of  $\pm 5 \mu$
- Total wow and flutter at 33-1/3 rpm:  $< 0.04\%$
  
- Rumble at 33-1/3 rpm:  $< -52\text{dB (DIN A)}$   
 $< -73\text{dB (DIN B)}$
- ERA K-3 low-mass tone arm tracks from 0-2.5 grms.
- Easily detachable cartridge carrier
- Independent suspension of tone arm and platter
- 
- Anti-skating control
- Silicone damped cueing
- 2 speeds: 33-1/3 and 45 rpm.
- Dimensions (including dust cover)  
Height: 5-1/2"  
Width: 17"  
Depth: 12-1/2"

ERA's Eramatic 3 has the convenience of an automatic yet offers the maximum performance of a manual turntable. Its automatic cycle is completely separate from the drive mechanism. Two motors are used, one drives the unit and the other the automatic tripping cycle. The automatic tripping cycle is controlled by photoelectric cells thus completely freeing the tone arm for optimum performance. The arm is operated with a camshaft which shuts off the automatic motor at the end of the cycle.



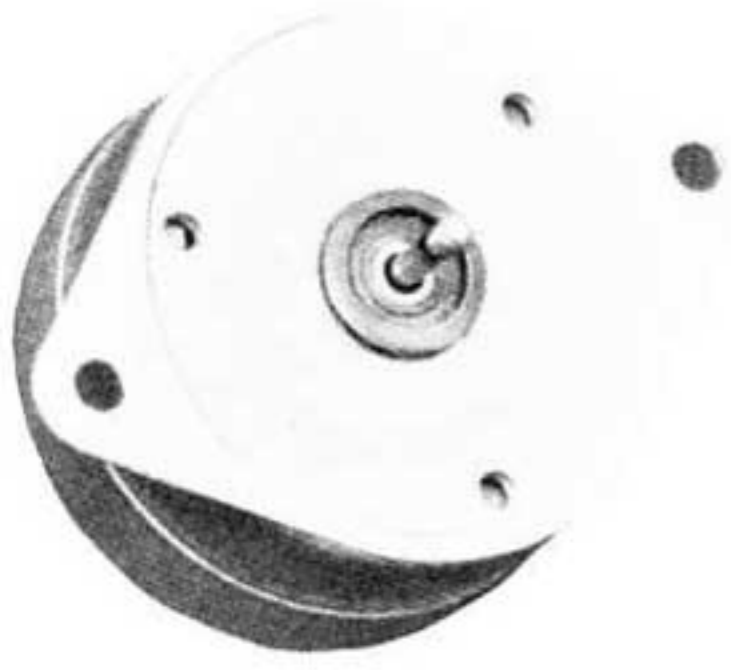
This is the top of the ERA line: It is for those who want convenience and yet demand "state of the art" sound reproduction. As in the ERAMATIC 3, the automatic cycle is controlled by means of a second motor, completely independent of the drive motor, together with a camshaft and a photoelectric cell sensing mechanism. The ERAMATIC 5's unique K-5 tone arm, with its virtually frictionless pivot on the same axis as the record, completely eliminates warp wow. This engineering masterpiece includes an oiled walnut base and dust cover.

# Eramatic 5

- Automatic 2 motor transcription turntable
- Double 48 pole synchronous drive motor
- die-cast aluminum non-magnetic platter
- Belt driven: neoprene belt is ground to a tolerance of  $\pm 5 \mu$
- Total wow and flutter at 33-1/3 rpm:  $< 0.04\%$
  
- Rumble at 33-1/3 rpm:  $< -52\text{dB (DIN A)}$   
 $< -73\text{dB (DIN B)}$
- ERA K-5 tone arm with its world patented "frictionless" pivot tracks from 0-2.5 grms.
- Easily detachable cartridge carrier
- Anti-skating control
- Silicone damped cueing
- 2 Speeds: 33-1/3 and 45 rpm.
- Dimensions (including dust cover)  
Height: 7"  
Width: 19"  
Depth: 13"

# ERA

quality features



## ERA 48 Pole Synchronous Drive Motor

The double 48 pole synchronous drive motor used on all ERA transcription turntables is isolated on an independent chassis thus reducing rumble—a mechanical vibration causing low frequency noise distortion—to an absolute minimum ( $<-52\text{dB}$  (DIN A);  $<-73\text{dB}$  (DIN B)). The neoprene drive belt, ground to an exacting tolerance of  $\pm 5$  microns, eliminates yet another source of speed variation and further absorbs any rumble producing vibrations.

Unaffected by fluctuations in live voltage over a range of from 48 V to 240 V, this double 48 pole motor operates at an incredibly low 300 rpm at 33-1/3 insuring a constancy of speed which allows ERA to boast a total wow and flutter spec of  $<0.04\%$ .



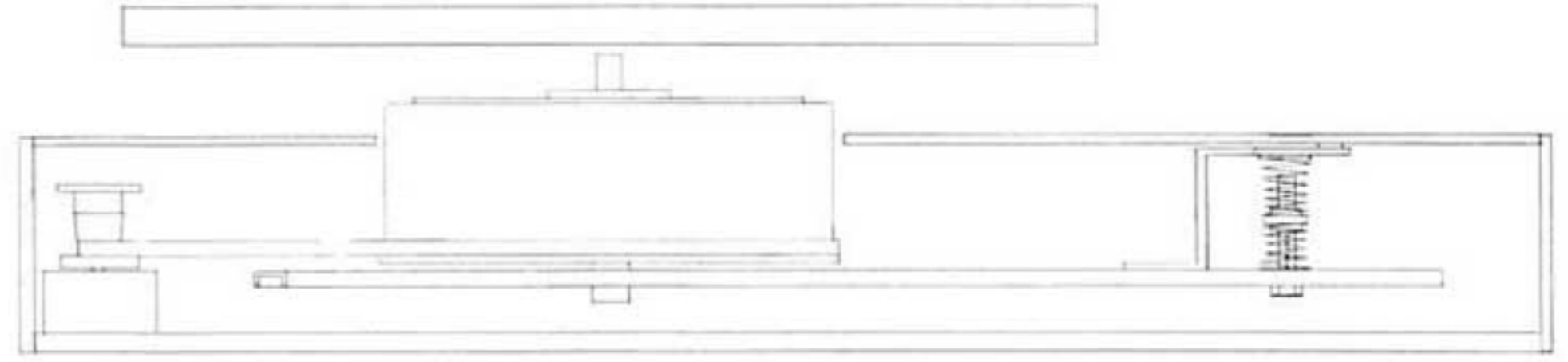
## Tone Arm

ERA's distinctively unique low-mass K-5 tone arm with its world patented cantilever design insures friction free movement. The pivot axis of the K-5 is at the same level as the record completely eliminating warp wow. A precision milled counterbalance coupled with a precisely calibrated gram weight indicator facilitates fine adjustment of arm tracking force from 0-2.5 grams. An arm length of 9" from pivot to stylus minimizes tracking error—error caused by the inability of a tone arm to track the grooves of a record in exactly the same line in which they were cut—to a minute  $\pm 1.5^\circ$ . The extremely lightweight cartridge carrier may easily be adjusted for optimum  $15^\circ$  tracking angle and is readily detachable for enthusiasts who wish to interchange cartridges.



## Platter

Some manufacturers utilize the inertia of a very heavy platter to help regulate the speed of the turntable and thus reduce the effects of motor fluctuations. All ERA units incorporate ERA's constant speed 48 pole synchronous motor making possible the use of a 3.75 lb 11-13/16" dynamically balanced die-cast non-magnetic platter.



## Suspension

ERA's two independent chassis—one for the motor and the other for the platter and tone arm—make possible a free floating suspension system designed to absorb and eliminate shocks and vibrations which can cause rumble and acoustic feedback.

The neoprene "silentblock" platter suspension on the ERA MK6 and 444 affords vibration free performance.

## Simplified Installation and Operation

All ERA transcription turntables are shipped assembled in handsomely styled bases with the tone arms already mounted (except the MK6). After adding the cartridge of your choice an ERA turntable is ready for use in your sound system in a matter of minutes. All controls are conveniently located for simplified operation.

## Anti-Skating Device

When playing a record at low tracking force a tone arm has a tendency to "skate" across the record toward its centre. This increased inward pressure on the inner groove wall of the record leads to distorted reproduction and significantly decreases both record and stylus life. ERA's easily adjustable anti-skating device counteracts skating over the entire tracking force range of the K-3 or K-5 tone arm.

## Silicone Damped Cueing

ERA's silicone damped cueing provides even ascent and descent of the tone arm at precisely the spot you desire.

## Three Year Parts and Labour Warranty

ERA's enthusiasm for research, precision engineering and quality craftsmanship find realization in ERA transcription turntables which carry a full three year parts and labour warranty (excluding belts). (A full statement of warranty is found on the warranty card packed with every ERA turntable).



# transcription turntables - technical specifications

Turntable	MK6	444	555	666	E3	E5
2 speeds (rpm)	33-1/3/45	33-1/3/45	33-1/3/45	33-1/3/45	33-1/3/45	33-1/3/45
Wow and Flutter (33-1/3)	<.04%	<.04%	<.04%	<.04%	<.04%	<.04%
Rumble (33-1/3) DIN A DIN B	<-52dB <-73dB	<-52dB <-73dB	<-52dB <-73dB	<-52dB <-73dB	<-52dB <-73dB	<-52dB <-73dB
Synchronous Motor	48 pole	48 pole	48 pole	48 pole	48 pole	48 pole
Platter Diameter	11-13/16	11-13/16	11-13/16	11-13/16	11-13/16	11-13/16
Platter Weight, lbs.	3.75	3.75	3.75	3.75	3.75	3.75
Drive	Belt	Belt	Belt	Belt	Belt	Belt
Arm Mounting Provision	Indep.	Integ.	Integ.	Integ.	Integ.	Integ.
<b>Tone Arms</b>	—	K-3	K-3	K-5	K-3	K-5
Total Length, ins.	—	11-13/16	11-13/16	11-13/16	11-13/16	11-13/16
Pivot-Stylus Distance, ins.	—	9	9	9	9	9
Max. Tracking Error, deg.	—	± 1.5	± 1.5	± 1.5	± 1.5	± 1.5
Cartridge Weight Range, gms.	—	5-15	5-15	5-15	5-15	5-15
Arm Resonance, Hz	—	8-12	8-12	8	8-12	8
Stylus Force Method	—	counterbalance	counterbalance	world patent spring tension	counterbalance	world patent spring tension
Stylus Force Range, gms.	—	0-2.5	0-2.5	0-2.5	0-2.5	0-2.5

For the dealer nearest you where you may listen to and appreciate the truly outstanding reproductive capabilities of ERA transcription turntables, please write or call,



- 282 belfield road, rexdale 605, ontario. 416-678-1966
- 467 deslauriers ave., ville st. laurent, quebec. 514-334-5300

### ERA TURNTABLES

MK6	135.00
444	155.00
555	195.00
666	260.00
E3	290.00
CT-1 Dust Cover	15.00