

# THORENS TD 535

- \* *shortest run-up time*
- \* *anti-feedback suspension*
- \* *Vario Control*
- \* *High-End and heavy duty tone arm*
- \* *quality and durability*



**THORENS**

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## Technical data (guaranteed)

Drive system	servo-controlled DC motor
Speeds	33 $\frac{1}{3}$ , 45 and 78 rpm, quartz controlled
Pitch	+/- 15 % with sliding control
Run-up time	400 ms.
Turntable platter	zinc/aluminium alloy
Turntable mat	rubber or felt
Rumble	-52 dB acc. to DIN 45539
Wow and flutter	0,04 % acc. to DIN 45507

### TP 90 Tone Arm

Plug-in shell TP 95	
Effective length	228 mm
Effective mass	15 g
Stylus overhang	18 mm adjustable
Offset angle	24°
Lateral tracking error	$\leq 0,16^\circ/\text{cm}$ of radius
Skating-compensation	frictionless magnetic assembly
Bearing friction	$\leq 0,15$ mN (15 mp) in both planes
Cartridge mounting	Standard $\frac{1}{2}$ "
Capacitance of cable	120 pF
Dimensions	450 x 360 x 100 mm (W x D x H)
Weight	12 kg

All technical modifications reserved.

Remember that when comparing technical data, it is essential to ascertain that all measurements have been made according to the same standards. Even then, important differences may show in the results obtained due to variations in the test equipment, cartridges or records that are used.

What are the features required by professional users of transcription turntables in broadcasting studios and discotheques?

- \* shortest run-up time
- \* anti-feedback suspension
- \* Varlo Control
- \* High-End and heavy duty tone arm
- \* quality and durability.

THORENS knows how to build high quality turntables meeting the specific needs of every user, and in fact since the existence of records.

Fiability and long term maintenance of the original characteristics rank first in the Company's rules.

The new TD 535 professional transcription turntable has been developed by THORENS exactly in this way, for broadcasting studios and discotheques.

### Shortest run-up time

A direct drive motor of European make, improved according to THORENS' specifications and controlled by a costly electronic circuit, accelerates the zinc-aluminium turntable platter to reach the 33 $\frac{1}{3}$  rpm speed in less than 0,5 second. This exceptional value is exceeded only by the more expensive TD 524 model, also manufactured by THORENS.

The motor has a high torque so that slip-mats or record cleaning devices with dragging action can be used without problem.

The nominal speed is quartz controlled.

### Anti-feedback suspension

The low frequency sound waves, loved by Disco Fans, generally cause serious feedback problems in discotheques. Not so with the TD 535:

A new, genial floating chassis suspension is combined with the fast starting direct drive system in such a way that the suspended chassis remains free of rotational vibrations during the acceleration process.

The THORENS floating chassis suspension isolates the platter - tone arm assembly from external footfall and low frequency sound waves.

This association of a direct drive system with a floating chassis suspension is unique and helps solving all location problems in discotheques and broadcasting studios.

### Vario Control

An easily accessible sliding pitch control permits a +/- 15 % variation of the nominal speed. An important feature for discotheques and dancing schools.

### Heavy duty, high quality TP 90 tone arm

For optimum in tracking ability it is not sufficient that a tone arm has a low bearing friction. It is much more important that it has a low effective mass, because high mass prevents the stylus from following the imperfections (warp or ripple) of the record as it should do.

Precision bearings are used in this professional arm, making it insensitive to shock and rough handling.

A high precision screw-coupling offers the facility of a plug-in shell without adding any imperfections to the resonance characteristics of the tone arm.

The TP 90 has been designed in such a way that none of its elements produce any perturbing self-resonances. Such resonances alter the sound quality and modify the timbre of the instruments.

In addition to the optimization of all components, the tone arm as a whole has been harmonized for a great robustness and a total sound neutrality. It will match ideally with almost every cartridge.

### Quality and durability

High quality and long term stability characterize all THORENS products. Since over 105 years, THORENS has been manufacturing high value, reliable instruments for the reproduction of music.

The technical data published are guaranteed values and they are maintained even after years of intensive use.

Should replacement parts become necessary, THORENS holds stocks of spare parts for a minimum of 10 years and in most cases for 20 years and over.

A real asset for the owner of a THORENS turntable.

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