

ESOTERIC

Analog Turntable **T-01**



Silence. Precision. Motion.

First introduced in the groundbreaking Grandioso T1, the revolutionary patented (JP6501130) “Esoteric MagneDrive System” redefined the foundations of analog playback through its exclusive contact-free drive technology.

Now integrated into the T-01, it achieves extraordinary rotational silence, stability, and high-torque performance, revealing music with uncompromising precision, energy, and realism.

Four years after the debut of the Grandioso T1, the Esoteric Analog Revolution lives on.

Developed from the engineering philosophy established in the Grandioso T1, the T-01 incorporates key technologies inherited from Esoteric’s flagship analog platform, including 10MHz external clock synchronization, a sophisticated triple-layer aluminum and MDF cabinet construction, and a newly developped, silent MagneDrive motor system integrated into a more installation-friendly chassis architecture.

At the intersection of precision mechanical engineering and advanced electronic design, the T-01 is dedicated to reproducing the original master sound with breathtaking realism, musical energy, and emotional depth.

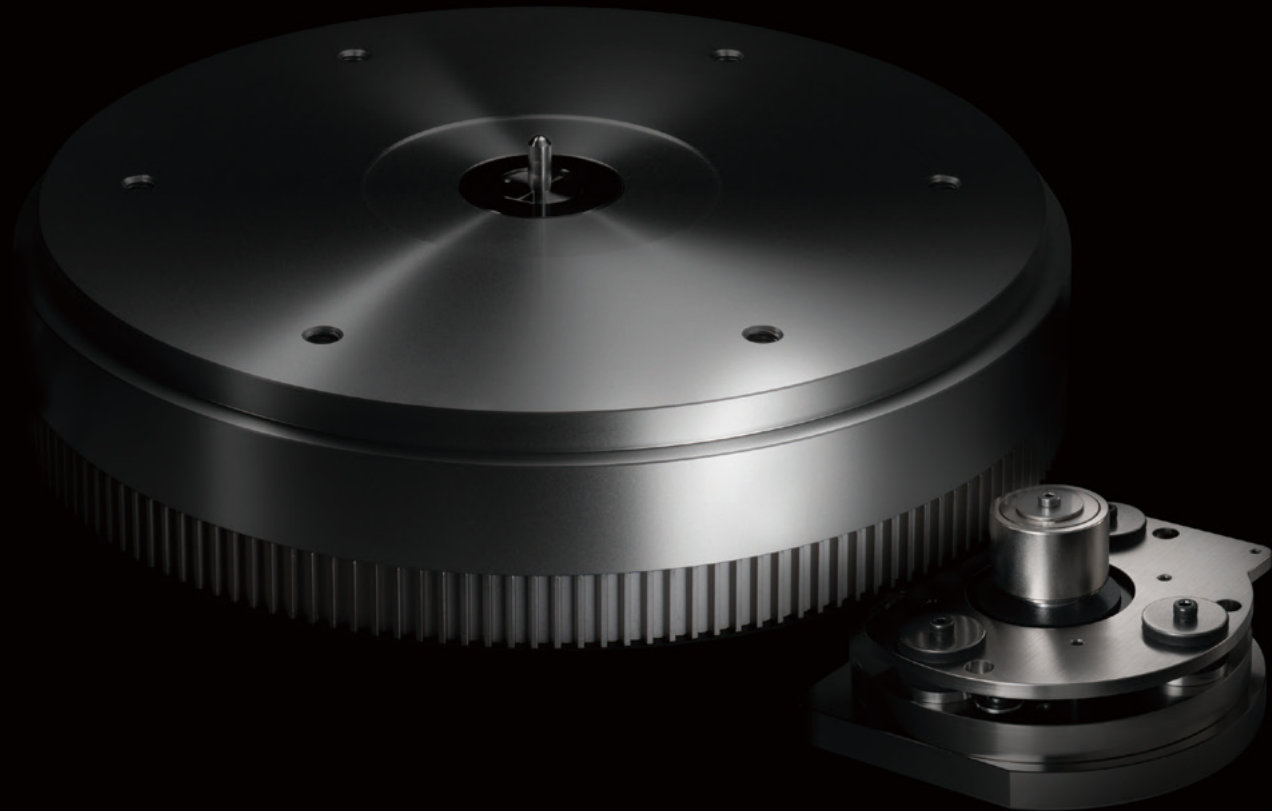


Key Features

- **“Esoteric MagneDrive System”**: Revolutionary, patented (JP6501130) contact-free drive system.
- **High Torque**: Provides superior pitch stability and dynamic bass performance.
- **Magne-Float Platter Technology**: Reduces the platter’s effective mass from 13kg to approximately 5.5kg, minimizing spindle bearing friction.
- **MagneDrive Motor Integrated Chassis Design**: Enables easier installation and improved usability.
- **Silent Motor Operation**: Achieved through the “Vibration Absorber Case” construction
- **High-End Separate-Units Design**: Consisting of main unit and compact power supply unit for enhanced operational efficiency and sound isolation.
- **A High-Quality “Master Sound Discrete Clock” Motor Driver**: Ensures exceptionally accurate platter rotation.
- **Clock Sync Compatibility**: Supports 10MHz clock sync with the G-01XD/G-05 master clock for seamless integration.
- **Inverted Bearing System**: Ensures smooth and stable platter rotation.
- **Triple-Layered Chassis**: Combining aluminum and wood to effectively control vibration, with a mid-chassis finished in luxurious high-gloss piano lacquer.
- **Specialized Isolation Feet**: with a fully integrated design (spike + spike pad + damper), specialized for maximum vibration suppression and anti-feedback performance.
- **Speed Control Flexibility**: Two-speed operation (33⅓/45 rpm) with adjustments in 0.1% increments for ultimate accuracy.
- **Tonearm Options**: Available with the TA-9S static-balance tonearm or as a standalone unit. Supports up to two tonearms with optional arm-board configurations.

ESOTERIC MagneDrive System

Japan Patent No. 6501130



The Esoteric MagneDrive System (Patent: JP6501130) is a non-contact, magnetically induced turntable drive system.

In order to achieve our goal of reproducing master-quality sound from a vinyl playback system, Esoteric devoted more than five years from the start of the project to the patent acquisition and commercialization of the MagneDrive system.

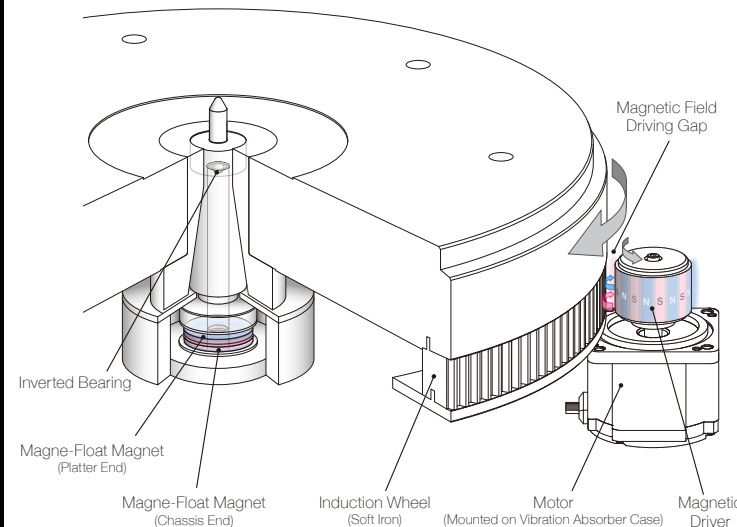
A “Magnetic Driver” is mounted on the top of the drive motor. The side of the Magnetic Driver is a dome-shaped magnet with alternating S and N poles. The platter is made of non-magnetic aluminum, but a soft iron “Induction Wheel” surrounds the lower part of the platter side, positioned in close proximity to the Magnetic Driver mounted on the motor assembly. As the Magnetic Driver rotates, the platter rotates synchronously with the induced magnetic force applied to the Induction Wheel.

Extremely Quiet Rotation

For vinyl record playback, which picks up vibrations from record grooves on the order of microns and converts them into audio signals, the elimination of vibrations generated by motors is essential to achieving true master-quality sound reproduction. The Esoteric MagneDrive System revolutionizes this aspect by employing a noncontact power transmission mechanism between the motor and the platter. This innovative design eliminates motor-generated vibrations entirely, allowing for an ultra-silent, “rumble-free” rotation and delivering crystal-clear audio that preserves the purity of every note.

Precision-Engineered Platter with Magne-Float System

The T-01 features a meticulously crafted 13kg high-mass platter, precision-machined from a solid aluminum block. This heavy-duty design is enhanced by the innovative “Magne-Float System”, which reduces the effective bearing load to approximately 5.5kg. This breakthrough achieves an ideal balance of high rotational inertia and minimal friction, resulting in remarkably smooth, stable, and whisper-quiet rotation. To further enhance stability, the platter incorporates inverted bearings that position the fulcrum closer to the vinyl surface. This design ensures unparalleled rotational stability, optimizing playback precision.

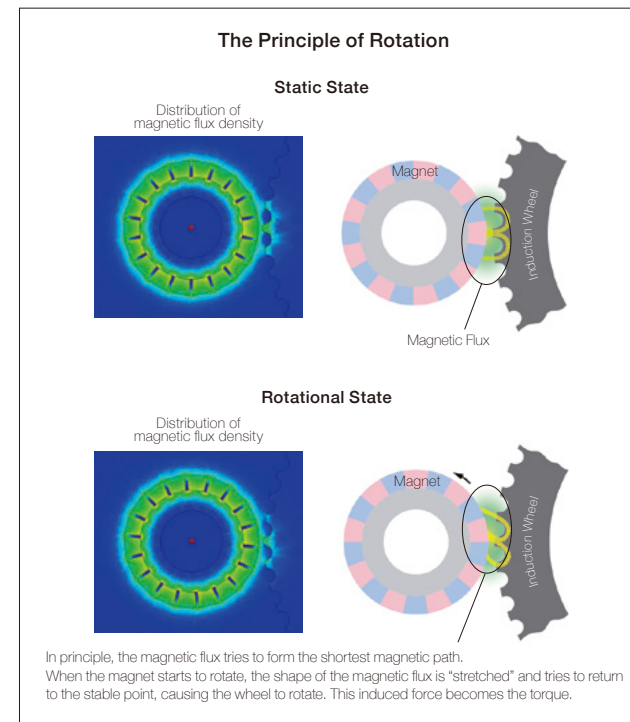


Powerful, Dynamic Sound

High-torque turntable systems are generally valued for their superior pitch stability and their ability to reproduce music with powerful dynamics and authoritative, impactful “punchy-bass” performance. The Esoteric MagneDrive system has a powerful drive torque, and can accurately reproduce the dynamics of music while eliminating the rumble typically associated with conventional high-torque drive designs.

Exceptional Rotational Accuracy

Esoteric MagneDrive System establishes a new benchmark in rotational precision. By leveraging a magnetic driver and platter working in perfect synchronization, this mechanism eliminates traditional speed deviations caused by mechanical imperfections such as belt stretch or pulley inaccuracies. The result is exceptionally stable, precise, and consistent platter rotation.



In principle, the magnetic flux tries to form the shortest magnetic path. When the magnet starts to rotate, the shape of the magnetic flux is “stretched” and tries to return to the stable point, causing the wheel to rotate. This induced force becomes the torque.

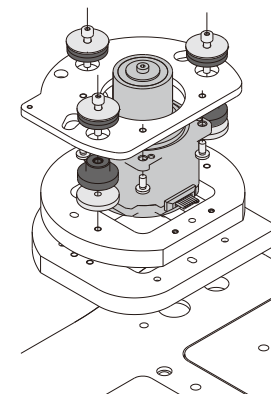
T-01’s magnetic synchronization adheres strictly to the fundamental principles of rotational transmission physics, maintaining constant and reliable speed under all conditions. This innovative design delivers breathtaking audio performance, capturing every nuance of your vinyl records with precision and clarity. The T-01 is not just a turntable, it is a statement of engineering excellence, precision craftsmanship, and uncompromising musical authenticity.

A Motor Unit Incorporating the Best of Esoteric Technology

The T-01 features a chassis-integrated MagneDrive System motor unit, eliminating the need for the time-consuming setup process using specialized jigs required by the Grandioso T1 and making installation much easier. To maximize the quiet operation of the Esoteric MagneDrive System, the motor assembly incorporates a dedicated ‘Vibration Absorber Case’ designed to minimize the transmission of unwanted vibration to the chassis, preserving the purity of vinyl playback.

“Vibration Absorber Case”

The motor itself is suspended from a ring-shaped support bracket via anti-vibration rubber washers preventing motor-generated vibrations from being transmitted to the surrounding structure. The bracket is secured to a heavy-duty, precision-machined, dual-layer brass base (forming the main body of the ‘Vibration Absorber Case’) where residual vibrations are effectively absorbed and controlled. The motor assembly, housed within this anti-vibration case, rests on an aluminum base under its own weight. The strategic combination of dissimilar materials helps disperse and suppress vibration modes across a wider frequency range. The aluminum base is designed with special laser-cut slits that disperse vibration modes into finer frequencies.



Master Sound Discrete Clock Circuit

The motor driver circuit incorporates a high-precision 10 MHz master clock to accurately generate the drive waveform that powers the motor. The clock circuit utilizes our proprietary Master Sound Discrete Clock technology to ensure high precision.

10MHz Master Clock Sync Capability

The motor unit of the T-01 is engineered for the highest level of rotational precision, featuring an external 10MHz clock input. By connecting the external Master Clock Generator (sold separately), you can elevate sound quality even further. This configuration supplies the motor driver circuit with an ultra-precise reference clock signal, enabling exceptionally accurate waveform generation, superior rotational stability, and an even higher level of musical performance.

Maintenance-Free Longevity

The unique Esoteric MagneDrive System offers significant advantages over traditional turntable mechanisms. By eliminating the need for a drive belt, it removes the hassle of periodic replacements and significantly reduces wear on moving parts. This innovative design ensures minimal maintenance while preserving long-lasting, high-quality sound performance.



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Elegance in Performance

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Toward the one and only our design goal of “Reproducing the Master Sound,” the T-01 chassis is engineered to optimally control every vibration factor that influences sonic performance.

The T-01 chassis is mechanically engineered like an F1 racing car, with the balance between rigidity and flexibility pushed to its absolute limits, achieving an exceptional harmony of structural integrity, resonance control, and dynamic responsiveness.

Its elegant, minimalist form reflects this uncompromising pursuit of perfection, a visual expression of engineering precision, refined craftsmanship, and functional beauty.

Triple-Layer Chassis: A Masterpiece of Craftsmanship and Performance

The T-01 features an elegantly sculpted triple-layer chassis, embodying Esoteric's longstanding heritage of exceptional mechanical engineering and precision craftsmanship. This innovative design combines a wood core sandwiched between thick aluminum layers for optimal rigidity and vibration control.

- Top Layer: The tonearm is securely mounted and provides a highly stable platform for precise tracking accuracy.
- Bottom Layer : The MagneDrive System, spindle assembly and isolation feet are anchored, minimizing the influence of external vibration and maximizing structural stability.
- Mid-Chassis: A carefully engineered wood layer lies between the aluminum layers to prevent vibration transmission between the top and bottom layers.

The wooden mid-chassis further enhances the T-01's sonic character by imparting a natural sense of warmth, tonal richness, and exceptional overall balance. Its ability to reproduce a richly detailed mid and low-frequency range creates a listening experience reminiscent of the original master tapes, delivering music with remarkable depth, presence, and realism.

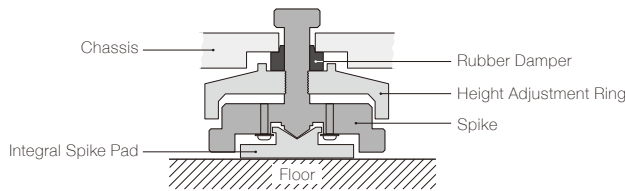
Luxurious High-Gloss Piano Finish Mid-Chassis

The wooden mid-chassis of the T-01 is meticulously finished with a luxurious high-gloss piano lacquer. Achieved through multiple layers of carefully applied coating and expert hand-polishing, this process results in a flawless, jet-black surface with a smooth, almost liquid-like luster.



Specialized Isolation Foot Integrating Spike, Spike Pad, and Damper

This new isolation foot combines Esoteric's patented structural design with an advanced damping mechanism engineered to suppress acoustic feedback. The added damper effectively blocks ultra-low frequencies that cause feedback while maintaining the vibration-control characteristics and precise mechanical grounding unique to pinpoint spike feet. By uniting vibration damping, mechanical stability, and feedback suppression within a fully integrated structure, this innovative isolation system contributes to exceptionally clear, focused, and highly articulate vinyl playback.



Equipped with the TA-9S Static-Balance Tonearm

The T-01 features the Esoteric TA-9S static-balance tonearm, which is equipped with high-precision gimbal bearings. This high-quality tonearm boasts a gimbal bearing system that delivers rich bass, dynamic range, and outstanding lateral stability. Each unit is meticulously hand-assembled by skilled Japanese craftsmen using aluminum and brass parts manufactured via high-precision CNC machining. This uncompromising level of precision, craftsmanship,



TA-9S Tonearm (Cartridge not included)

and build quality clearly distinguishes the TA-9S from conventional mass-produced tonearms. The T-01 is equipped with dial-adjustable anti-skating and VTA adjustment functions.

Armless Configuration Available

T-01 is also offered in armless (AL) configuration, providing users with the flexibility to select and install the tonearm of unique choice, to suit any individual playback preferences and system requirements. In addition, up to two tonearms can be added with the optional arm base kit.

Separate Power Supply Unit

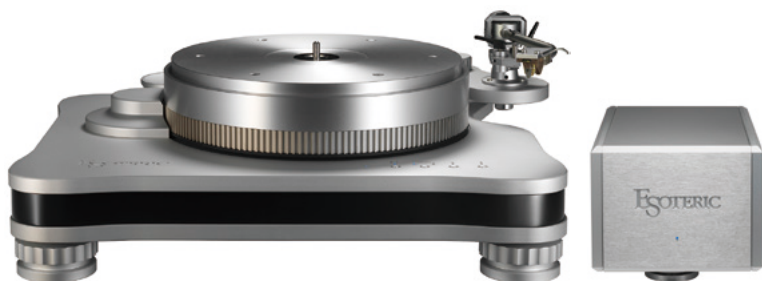
The T-01's power supply unit, dedicated to powering the motor drive and control circuitry, incorporates a large toroidal transformer engineered for stable, high-quality power delivery. Separating it from the turntable itself eliminates vibration and noise, ensuring a clean and powerful drive. The power supply is housed in a compact aluminum enclosure, allowing for flexible placement and convenient system integration.



“Washi” Turntable Sheet

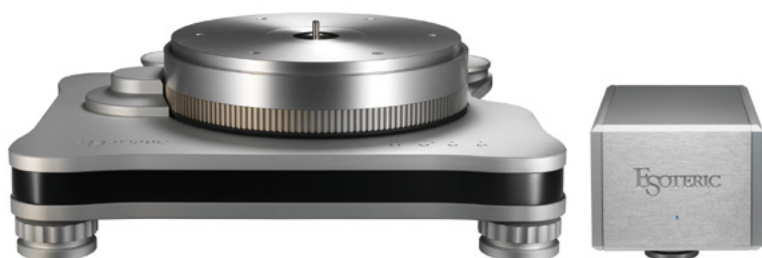
Complementing the T-01's performance, the turntable sheet is crafted from Washi, a traditional Japanese paper renowned for its neutral tonal characteristics. This carefully chosen material not only enhances the T-01's ability to deliver an uncolored, pure sound but also reflects Esoteric's commitment to harmonizing traditional Japanese craftsmanship with advanced engineering.





T-O1

Tonearm included. No cartridge included.



T-O1 AL

No tonearm and cartridge included.

- Up to 2 tonearms can be mounted on this product.
- To install an additional tonearm, an arm base kit will also be necessary.
- We accept custom orders for arm base kits that support various types of arms.
- Specifications and appearance are subject to change without notice.



- These products are available in two different power supply variations as shown in the chart above. Make sure that the voltage shown on the rear panel matches the AC line voltage in your area.
- The shape of the AC inlet and plug of the supplied power cord depends on the voltage rating and destination country.

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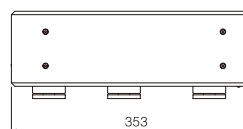
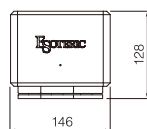
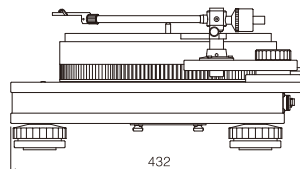
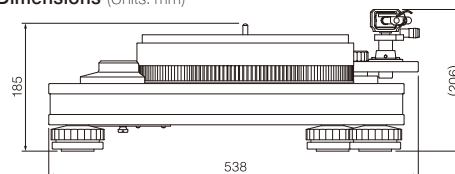
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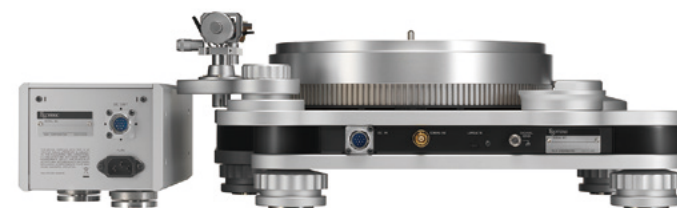
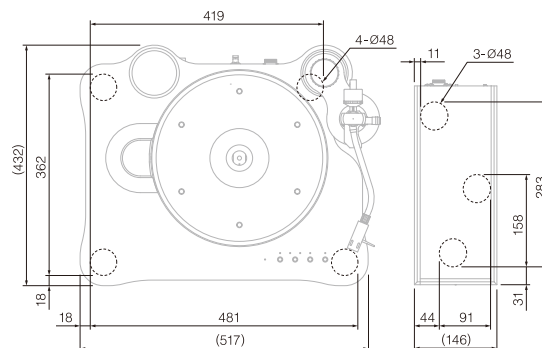
Esoteric Brand Website ►
<https://www.esoteric.jp/en>



Dimensions (Units: mm)



Foot positions (Units: mm)



Turntable		
Rotation speed		33 1/3rpm / 45rpm
Rotation speed adjustment range		±12.5% (in 0.1% increments)
Wow and flutters		0.06% or less (W.R.M.S)
Clock input		
BNC		×1
Input impedance		50Ω
Frequencies that can be input		10MHz (±10ppm)
Input level		0.5 to 1.0Vrms (sine wave)
Tonearm (TA-9S)		
Format		Static-balanced
Total length		309mm
Effective length		232mm
Distance from bearing center to spindle center		216mm
Overhang		16mm
Offset angle		22.5°
Tracking force range		0 to 3g (with 0.25g steps)
Cartridge/shell balance range		15 to 32g (including headshell)
Headshell weight		17g
General		
Power supply	Model for Europe Model for USA/Canada	AC 220-230V 50/60Hz AC 120V 60Hz
Power consumption		9W (in standby 0.3W)
External dimensions (W×H×D including protrusions)	Main unit	539×206×432mm / 21 1/4"×8 1/8"×17 1/8"
	Main unit without tonearm Power supply unit	517×185×432mm / 20 3/8"×7 3/8"×17 1/8" 146×128×353mm / 5 3/4"×5 1/8"×14"
Weight	Main unit	35kg / 77 3/8 lb (base unit 22kg / 48 5/8 lb, platter 13kg / 28 3/4 lb)
	Power supply unit	7kg / 15 1/2 lb
Included accessories		
Height gauge × 1		Owner's manual × 1
Turntable mat × 1		Warranty card × 1
DC power cord × 1		Tonearm TA-9S* × 1
AC power cord × 1		TA-9S owner's manual* × 1
Handles × 2		Arm base* × 1
Felt pads × 7		Hex wrench* × 1

* Not included with armless models.