



NEW REFERENCE LINE

257 Turntable

THE NEW REFERENCE LINE

Inspired by iconic milestones and driven by a visionary spirit, Burmester combines over four decades of audiophile expertise with masterful craftsmanship. This claim results in uncompromising perfection - a constant striving for new standards and pushing the boundaries of what is possible. A prime example of this commitment is the new Reference Line. Its sound is moving - with newly defined sophistication in depth, clarity and spatial presence.

THE 257 TURNTABLE

The 257 stands for absolute precision and sonic perfection. Ultra-sensitive speed detection and a magnetic-bearing platter reduce mechanical interference to a minimum - for music reproduction of unparalleled purity. Optionally available with an integrated phono module, the 257 Turntable can be flexibly adapted to individual requirements.

THE NEW GENERATION

Values and Virtues

The 257 transcends mass-oriented turntable setups by combining superior mechanical engineering with precise digital control to deliver a superior vinyl listening experience.

INDISPENSABLE DESIGN PRINCIPLES

- Compact shape to fit into New Reference Line systems (and the listening space):
A height-adjustable turntable coupled with the tonearm as a single unit
- Optical Speed Control (OSC): An encoder with a pitch of 1600 uses an optical sensor to detect changes in the speed of rotation in less than a millisecond
- Innovative Motor Suspension (IMS): The counter-rotating suspension motor using 18 O-rings compensates for speed changes, ensuring stable rotation
- Finetuning: Base speed can be increased or decreased using two push buttons

DRIVE THAT MAKES A DIFFERENCE

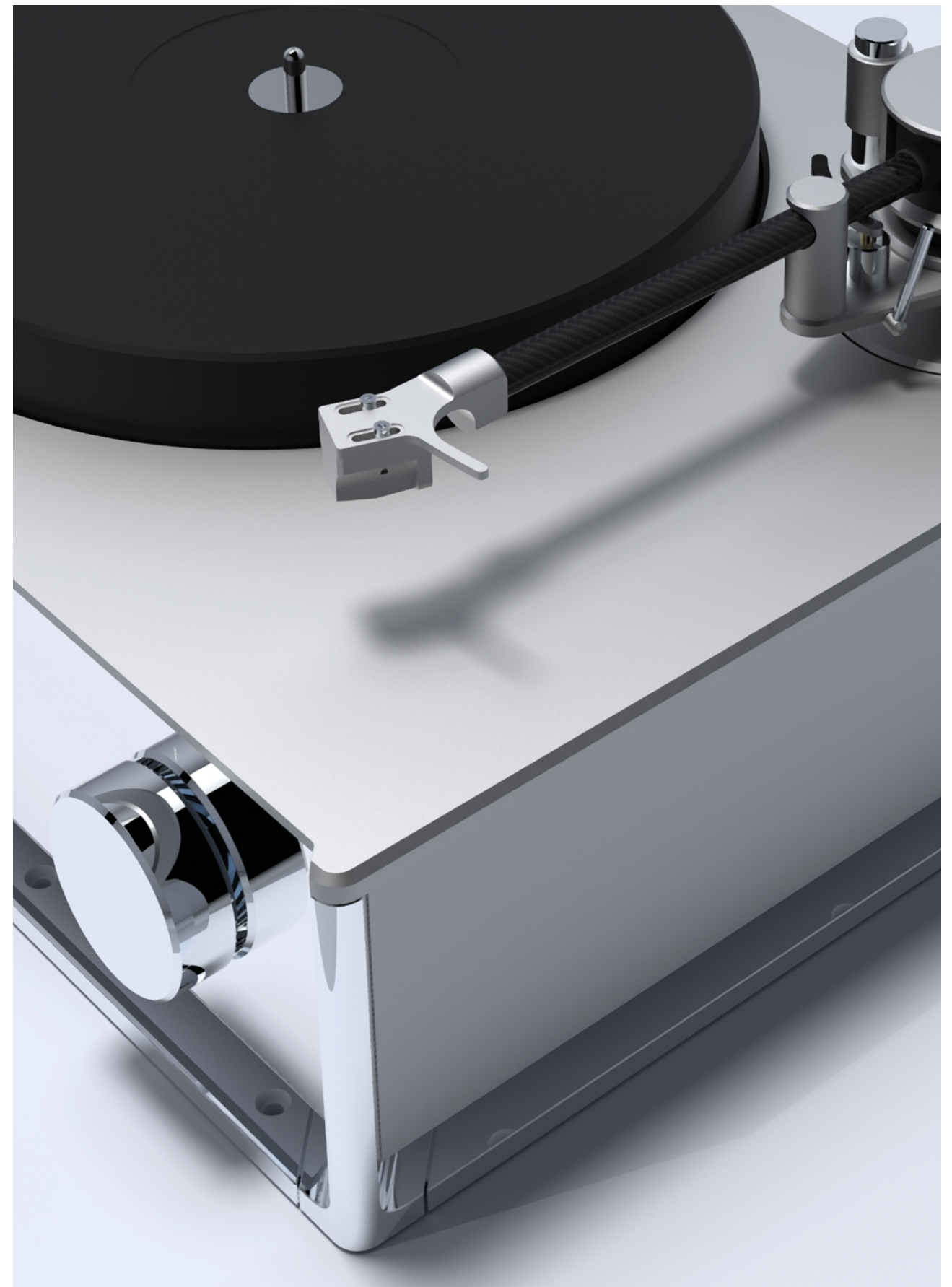
- Hybrid motor control: A high-resolution 12-bit digital-to-analog converter (DAC) generates a motor reference voltage that is fed into the purely analog motor control unit
- Automatic compensation for friction and temperature changes in the disk bearings and belts keeps the speed in the perfect range at all times
- Speed-controlled rotation is performed by two belt drives with two high-torque 12V DC motors moving two flywheels reducing wow and flutter to an absolute minimum

LOW FRICTION BEARINGS

Magnetic bearing technology at its best: Inverted, ground and polished ceramic bearing axle with a sintered bronze liner provides the smoothest operation possible.

A PLATTER TO SERVE THE BEST

The balanced 50mm platter in sandwich construction made of technical plastic and stainless steel holds the most legendary records dearly. It provides a solid yet elegant base for all vinyls.



FEATURES

+

Speed and pitch

For the most reliable vinyl experience, an advanced, ultra-precise speed detection and correction unit is employed.

+

Quietly simple

The less, the better - just two motors and magnetic bearings provide quieter, more precise operation.

+

New on the inside

The 257 uses a new supply chain, resulting in more reliable deliveries and even higher component quality.

+

New on the outside

The 257 is the first of its kind to feature the New Reference Line design concept. Compact, minimal and simplistic, it hides a complex interior within an elegant exterior.

+

Two-way modular

An optional internal phono module provides a connection to line amplifiers. Alternatively, either a similar module can be used in Burmester pre- and integrated amplifiers, or a separate phono preamplifier.

TURNTABLE

Speed accuracy	± 0.05% at 33,33 or 45rpm
Power consumption	max. 5.0 watts, 2.1 watts operating, <1 watts switched off
Weight	~25kg basic device, ~17kg power supply
Width	450mm (17.7 Inch)
Height	130mm (5.1 Inch) + 117mm (4.6 Inch) tonearm on basic device
Depth	380mm (14.9 Inch)

CARTRIDGE

Total mass	7.0g
Frequency response	20Hz – 20kHz
Output voltage @ 5cm/s	0.5mV
Channel separation	25 – 30dB
Channel balance	< 0.5dB
Tracking ability	80µm
Recommended tracking force	2.8g (± 0.2g)
Cartridge impedance	50Ω
Cantilever/Stylus shape	Optimized Shibata, Prime Line
Compliance	15µ/mN
Coil assembly	Fully symmetrical design
Coil material	24 karat gold

ONEARM

Construction details	Radial tonearm, 9 inch, ultra low friction bearings
Cartridge balance range	10g
Overhang	13.01mm (0.51 Inch)
Total length	420.00mm (16.5 Inch)
Effective length	308.01mm (12.1 Inch)
Mounting distance	295.00mm (11.6 Inch) from pivot to spindle
Offset angle	18.85°