

Belt drive analog player **PD-151**

PD-151 Concept

Simplicity meets performance.
More affordably-priced belt-drive analog player for all music lovers to enjoy LUXMAN audio quality. Simplified housing design with high performance of the basic structure from LUXMAN popular higher grade model PD-171A.

Why Belt drive?

Direct-drive system stabilizes spins by high grade servo technology controlling by frequent acceleration and deceleration which is not natural vinyl playback.

Belt-drive system by AC synchronous motor, the AC motor is given very stable spinning frequency and just rotating the 4.0KG platter. So the stability of rotation is created by platter's inertia. With this method, it minimizes any changes of rotation speed thus making the playback as natural as possible.



Simplicity: performance first belt drive analog player

LUXMAN Analog player history



1972 PD121
Moden, classic, stylish



2011 PD-171
29 years later



Refined beauty and
performance

2014 PD-171A

2013 PD-171AL
(armless)

Simplicity, performance first
For new comers



2019 PD-151

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Newly developed for PD-151

DC brushless motor

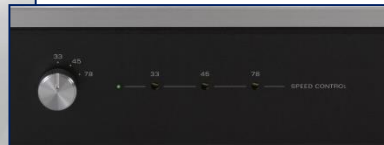
PID control & Sine wave PWN



Tsukasa motor for medical use. Highly confident, low-speed motor. Sin wave PWN, PID control

Insulator

Adjustable of vibration damping rubber



Rotation speed 33 1/3, 45, 78 rpm due to higher torque of motor



Aluminu10mm thick panel

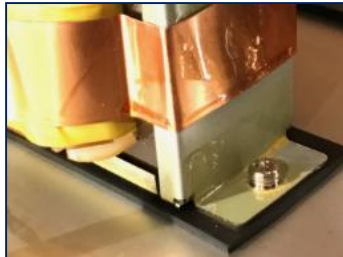
4.0 kg platter diamond-cut from a lump of Aluminum, Moment of inertia: 21.9N·cm²

Succeeded from PD-171A

Vibration prevention method



Under-slung method



Floating-mount method

Original JELCO arm SA-250 sensitive static balance type



Spindle

Same structure as PD-171A



High Stainless spindle bearing, PEEK Hard, highly precise stainless steel center spindle + Chrome ball bearing with PEEK thrust bearing resisting

Dust cover Separately sold

4mm acrylic cover Cam support hinges