PUREFIDELITY

HAND-BUILT IN CANADA
SINCE 2015

# *The* Symphony



*Old world craftsmanship. New world precision.*

PUREFIDELITY.CA

*“I believe music should be experienced in its truest form. Our handcrafted turntables blend timeless craftsmanship with cutting-edge precision, delivering an unrivaled listening experience for audiophiles. With customizable designs and heirloom-quality construction, each piece is built to last and inspire, bringing every note to life with clarity and soul.”*

John Stratton
TURNTABLE MASTER CRAFTSMAN, CEO






THE SYMPHONY

# Our reference *turntable.*

The Symphony immerses you in an emotional musical experience achievable only with the highest level of analog playback. Central to its performance is Pure Fidelity's hybrid design, which provides a rich midrange and makes instruments and vocals feel real and palpable. With an exceptionally low noise floor, music emerges from a silent background with detailed highs and excellent bass resolution. The deck incorporates our most advanced measures against shelf-borne vibration and resonance.

## Ultra MDF plinth.

The Symphony's plinth is built on a 75 mm core of Ultra MDF, a material with higher density, finer fibres and better machinability than standard MDF. It allows far more precise assembly and plays a central role in controlling resonance.

## The hybrid design.

The plinth has a profound effect on how a turntable sounds, and every approach carries trade-offs. High-mass designs deliver deep bass but can sound dull. Low-mass designs are agile and dynamic but often too bright. Suspended decks time well but can lack depth in the bass. The hybrid design combines an intermediate mass with an Ultra MDF plinth to take the best of each. The result is a neutral balance: bass that is strong yet lively, highs that are refined without being sharp.

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*"The Symphony's performance is up there with the very best I've heard, and some of those 'tables cost twice or three times as much as the Symphony."*

ANTHONY KERSHAW, AUDIOPHILIA

RECOGNITION

Audiophilia Product of the Year 2024

Audiophilia Star Component

ISOLATION

# What the cartridge hears that *is not music.*

*A phono cartridge converts vibration into signal, and it cannot tell the record groove from the room. Sound from the loudspeakers, footfalls and the shelf itself all reach the stylus. The Symphony addresses this at every layer.*



## 6061 aircraft aluminum *isolation platform*

A full inch (25 mm) of 6061 alloy, the grade used in aircraft and automotive construction, with a Young's modulus of ten million psi. The thickest platform in the Pure Fidelity line, decoupled from the plinth by GAIA IV footers so the hybrid design is preserved.

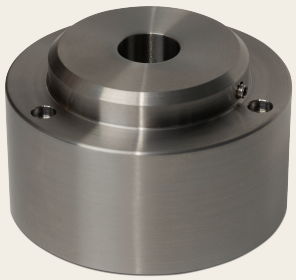
25 MM · CNC MACHINED · THICKEST IN THE LINE




## IsoAcoustics GAIA IV *footers*

IsoAcoustics' patented GAIA footers have earned wide industry recognition. We worked with IsoAcoustics to develop a lower-profile version for Pure Fidelity turntables. The Symphony uses four.

FOUR FOOTERS · PATENTED · CUSTOM LOW PROFILE



## Stainless steel *arm board*

Standard on the Symphony. Stainless steel gives the tonearm a rigid, stable foundation and damps vibration that would otherwise colour the sound, for cleaner tracking and a purer signal path. Machined to a repeatable tolerance of 1/1000 inch.

STAINLESS STEEL · 1/1000 INCH TOLERANCE



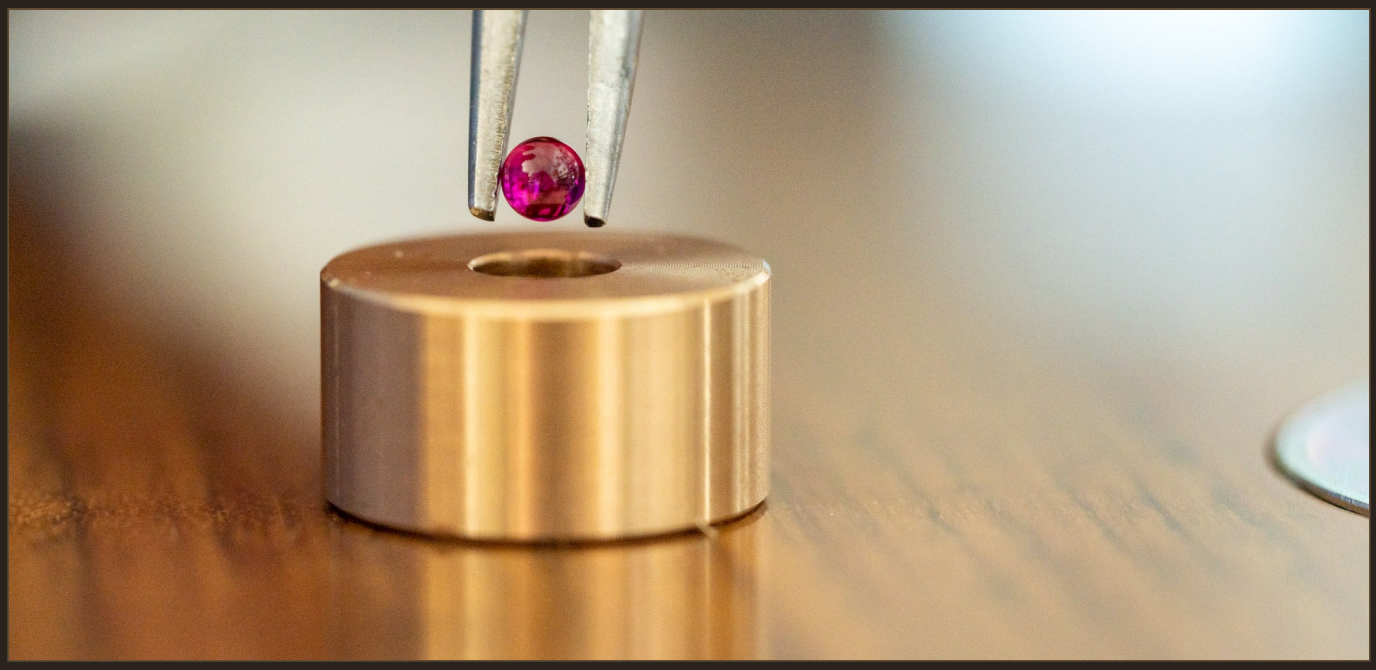
## Ultra-precise *CNC machining*

The isolation platform, plinth, sub-platter, Delrin platter and even the foam packing carriers are CNC machined using custom tooling with a repeatable tolerance of 1/1000 inch, about a third the thickness of a human hair. Every Symphony is built to the same standard as the last.

1/1000 INCH · CUSTOM TOOLING · CONSISTENT

THE DRIVE SYSTEM

# A ruby bearing in a *bronze shaft.*



The output of a phono cartridge is amplified thousands of times before it reaches the loudspeakers, so small imperfections in the drive system become audible. The Symphony's platter turns on a single ruby bearing. Ruby is rated 9 on the Mohs scale; only diamond is harder. A hundred steel bearings cost less than one ruby. We use ruby.

The bearing shaft is bronze rather than the industry-standard brass. Bronze is stronger, more durable and has a lower coefficient of friction.

Consistent rotational speed is what keeps pitch and timbre intact. Large speed errors change pitch; small, brief ones blur the character of instruments. The Symphony's drive combines the Conductor SE speed controller, a 12-volt AC synchronous motor, a stainless steel pulley, two round-section drive belts and a 38 mm aluminum and stainless steel sub-platter, the largest we have made.

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**9**
Mohs hardness, ruby bearing

**±0.003%**
Quartz-locked speed accuracy

**38 mm**
Aluminum and steel sub-platter

**1/1000″**
Repeatable machining tolerance

SPEED CONTROL

# The Conductor *SE.*

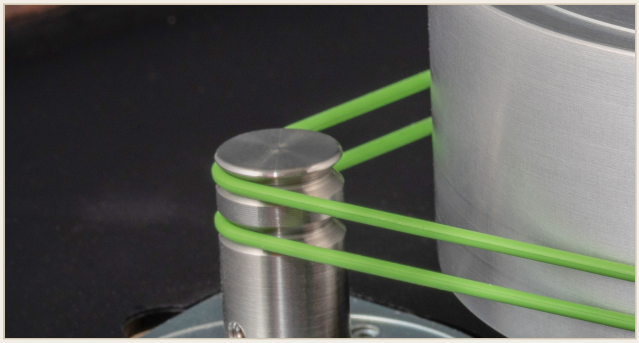
*Standard on the Symphony. The Special Edition carries a larger transformer than the standard Conductor and drives the motor with a pure, stable sine wave.*




## Conductor SE *speed controller*

The Conductor SE uses a quartz lock that holds rotational accuracy to within ±0.003%, with separate rear-panel pitch adjustments for 33⅓ and 45 rpm for records cut before such precision was standard. It isolates the motor from the noise and spikes of household mains.

QUARTZ LOCK · ±0.003% · LARGER TRANSFORMER



## AC synchronous motor, *pulley and belts*

Our 12-volt AC synchronous motor is quiet and stable, with custom modifications that reduce cogging (unwanted pulses of torque) to the point of elimination. After listening trials across belt styles and configurations, we settled on two round-section belts driven from a stainless steel pulley.

12 V AC · TWO BELTS · STAINLESS PULLEY



## 60 mm *Delrin platter*

Glass platters ring. Aluminum platters ring. Both need a mat to control it. Delrin is an engineering thermoplastic with high stiffness, low friction and excellent dimensional stability, and it shares many properties with vinyl itself. It has the mass to hold speed and needs no mat.

60 MM · NON-RESONANT · NO MAT REQUIRED

# Finishes. *Built to order.*



## Walnut Burl

HIGH GLOSS



## Karelian Birch

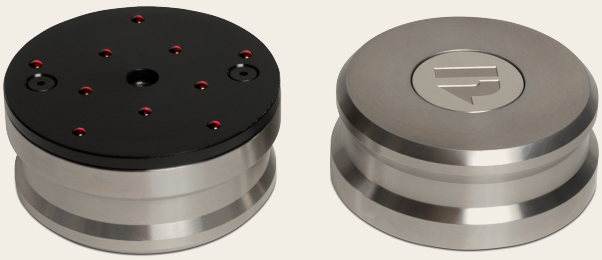
MATTE



## Quilted Maple

HIGH GLOSS

*Walnut Burl, Karelian Birch and Quilted Maple are our standard finishes. New finishes are added regularly, and custom finishes are available on request. Enquire through your dealer or at purefidelity.ca.*



## SS-100 *record isolator*

Standard with the Symphony. Machined from stainless steel with ten micro ruby balls set in black Delrin, the SS-100 slips over the spindle and rests on the record label. It flattens and stabilizes the LP and suppresses the micro-vibration around the label that can veil the music. 0.75 inch tall, 2.75 inch diameter, 1.7 lb (20 by 70 mm, 760 g).



## Acrylic *dust cover*

Optional. Quarter-inch acrylic with polished edges and the Pure Fidelity logo set into the rear panel, manufactured to museum-quality specification. 22 in wide, 19 in deep, 10 in high.

PACKAGING

Every component ships in super-dense foam carriers, CNC machined like the parts they protect.

PUREFIDELITY

THE SYMPHONY

# Specifications.

| | |
|---|---|
| PLINTH | Ultra MDF, 75 mm core |
| ISOLATION PLATFORM | 6061 aluminum, 25 mm |
| FOOTERS | IsoAcoustics GAIA IV, four |
| ARM BOARD | Stainless steel, custom-made for Origin Live and Audio Origami |
| BEARING | Ruby on bronze shaft |
| SUB-PLATTER | Aluminum and stainless steel, 38 mm |
| PLATTER | Delrin, 60 mm |
| MOTOR | 12 V AC synchronous |
| DRIVE | Two round-section belts, stainless steel pulley |
| SPEED CONTROL | Conductor SE, quartz locked, ±0.003% |
| SPEEDS | 33⅓ and 45 rpm, independent pitch trim |
| RECORD ISOLATOR | SS-100, included |
| FINISHES | Walnut Burl, Karelian Birch, Quilted Maple. Custom finishes on request. |
| DIMENSIONS | 20 in W, 16.5 in D, 9 in H (508 by 419 by 228 mm) |
| WEIGHT | 70 lb |

## Warranty, *five years.*

Extended to ten years with registration at purefidelity.ca within the first year of ownership.

Scan for the Symphony, finishes and dealers.

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