



KRONOS

KRONOS
TIME FOR MUSIC®

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Dealer inquiries welcome

ONCE IN A LIFETIME,
A PRODUCT INCORPORATES
TECHNOLOGICAL ADVANCES
AT ITS CORE AND SETS
A NEW STANDARD.

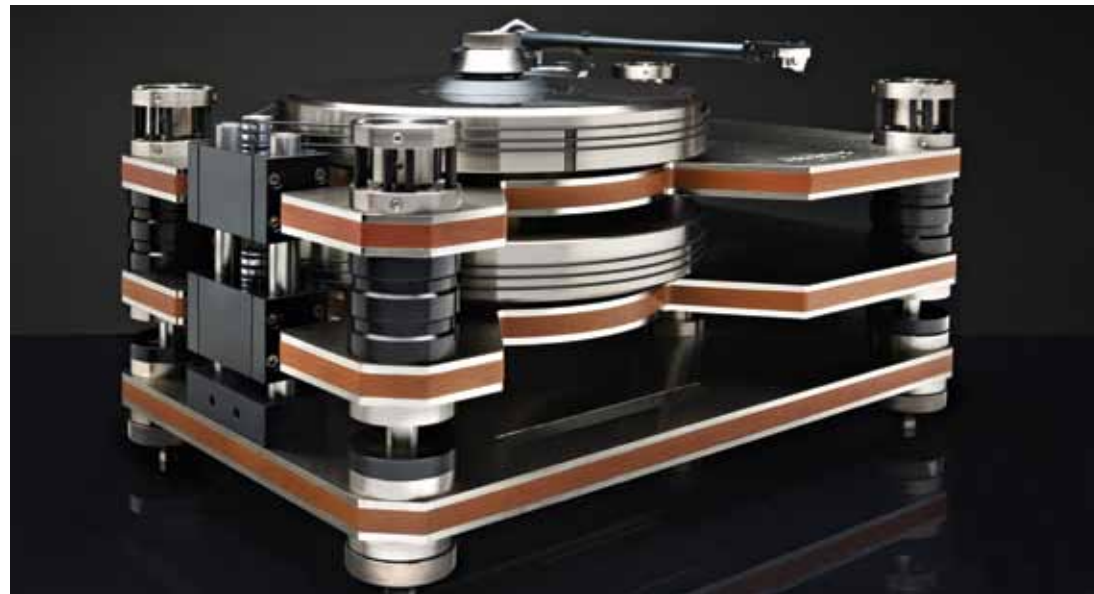




"KRONOS offers a level of performance that will make it a new reference in the industry."

Rene Laflamme, Sound engineer and record producer, Fidelio Audio

Kronos Audio is proud to introduce the world's first counter-rotating dual platter suspended turntable. Its unique design provides an unequalled level of stability, creating an optimum environment to extract more musical information from your vinyl records. The KRONOS offers audiophiles incomparable listening enjoyment.



THE LIMITATIONS OF TRADITIONAL TURNTABLE DESIGNS

All turntables currently on the market are constructed either with or without a suspension system.

Suspended turntables are better isolated from both mechanical and sound vibrations emitted from the speakers. These turntables are often preferred to rigid ones as they deliver a more organic sound and a softer presentation.

However, the suspended platter and tone arm present a significant downside – a pronounced blurring of the musical signal. This is caused by torsional forces, a natural tendency of the sub-platter frame to rotate in sync with the platter. Although this rotation is controlled by springs, or other elastic parts found in the suspension, at this new point of equilibrium, the slightest vibration coming from the stylus reading the groove is echoed back to the stylus, out of phase. The result: the stereo image

produced is blurred and distorted. Critical musical information is permanently lost. To solve the problem of torsional forces, some manufacturers build a rigid turntable and completely eliminate the suspension. But vibrations produced naturally by mechanical components and the environment are fed back to the platter and tone arm, causing yet another type of blurring and distortion of the music signal. The resulting sound is often described as harsh, aggressive and glassy. While endless research into alternate materials has been beneficial in improving the sound of rigid turntables, because the platter and the tone arm are not isolated, vibrations can only be controlled, not eliminated. Additionally, the proposed design solutions create expensive, heavy and complicated turntables.

TWO PLATTERS ARE BETTER THAN ONE

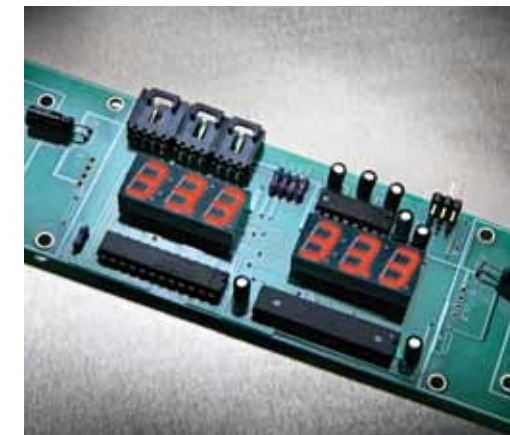
The KRONOS is an innovative turntable that breaks the rules of conventional audio design,

earning the reputation of first of its kind. It employs two identical high mass platters, one above the other rotating in opposite directions and moving at precisely the same speed. This engineering completely eliminates torsional forces. Since the turntable is protected from mechanical and environmental vibrations, it can therefore be suspended without any negative outcomes. Finally, the judicious use of materials helps minimize the transfer of remaining mechanical vibrations emitted from the bearings and stylus friction.

The result is a turntable platform with unparalleled stability. A solution so innovative that two separate patents are presently pending.

INNOVATIONS IN MOTION CONTROL

The KRONOS uses two high quality Swiss-made DC motors that consistently deliver quiet, smooth, linear power to the platters.

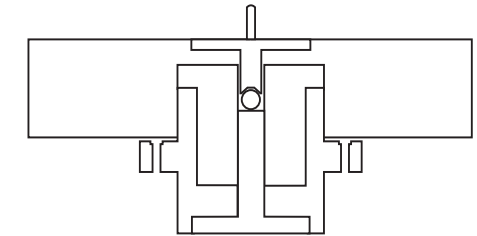


DC voltage to the motors is produced from a fully regulated CLASS A dual power supply, CPU-controlled to maintain constant speed. The KRONOS controller does not use pulse width modulation, as this method of control produces jerkiness in the drives. Instead, the CPU control receives speed readings from the platters via optical sensors and adjusts voltage to each DC motor in real time. Speed stability is therefore guaranteed over the life of the turntable, regardless of environmental factors, belt stretching or mechanical wear.

AEROSPACE METALLURGIC TECHNOLOGY

When designing and building the two bearings of KRONOS, our objective was to pro-

vide the most quiet operation possible while maximizing service life. Our in-depth design process included extensive research of base metal alloys and vapour deposit coatings within the aerospace industry. We also inverted the bearing design to place contact in the rotational plane, successfully reducing



torque induced drag. And we included double hydraulic insulation to provide the ideal dampening properties. The result? The lowest noise floor we have yet encountered in an audio turntable.

SIMPLICITY EQUALS EASE OF SETUP

Every single component of the KRONOS is engineered for simplicity and ease of use: the uncomplicated construction enables easy set-up, smooth operation and long-term reliability. This straightforward design allows the focus to remain on superior sound delivery.

PRIDE OF OWNERSHIP

Every Kronos turntable is entirely hand assembled and duly adjusted and tested before it is shipped to you. It is protected in its custom built flight case. And it is very exclusive. Only 250 Kronos turntables will be issued in its first version.

