



acoustical systems



A*STELAR

The ultimate turntable
reduced to the absolute maximum performance



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The essence of my now more than 30 years active experience in turntable design and the evolution in the APOLYT finds its cumulation in an all-new turntable concept.

The task was to transfer the relevant and unique design features of the extremely large, very complex and seriously heavy APOLYT - plus coming with its considerable large periphery unit which needs a separate room - into a considerably more compact and feasible format.

This without losing even the tiniest aspect of the all-alone sonic level provided.

All the design features and inventions in 30 + years which defined the unique apogee level of the APOLYT's sonic performance have now been incorporated in a *much* more compact, distinctively smart and positively matured new design.

The **A*STELLAR** is the design result of "the road of excess leading to the palace of wisdom"

A turntable second to no other - in its concept and sonic performance the A*STELLAR is on a par with the APOLYT and superior to *all* other turntable designs.

the **A*STELLAR**

- the ultimate turntable reduced to the absolute maximum performance a turntable like no other

features:

the **A*STELLARs** platter:

- * an absolute unique 36 (thirty-six!) layers design platter, incorporating 18 different materials with defined energy transfer speed - combined in the optimum sequence.
- * incorporating Vinyl, Tungsten HD18, Titanium, AW6082 Alloy, 1.4401 Vanadium Steel - plus a defined mixture of organic material layers pressed together and bounded by natural resin.
- * Building on the unique APOLYT-concept inner platter design – and going beyond that.
- * the A*STELLAR's platter is 100% non-resonant, with a truly unique design concept featuring an absolute nonreflecting inner surface.
- * designed to provide the utmost possible pitch-black, deep dark "sonic background" - to allow the most tiny details to appear in an unforced and natural way and thus to integrate swift into the all-harmonic sonic picture provided with unheard before dynamic scale.
- * the platter's spindle is fully decoupled and isolated from the bearing and featuring an inner thread to allow optimized coupling of vinyl record to material-identical platter surface by screw-on clamp as well as any record weight.

The A*STELLARs bearing:

- * an unique bi-radial, factory adjustable push-pull, fully encapsuled and MU-screened magnetic bearing, completely maintenance-free - proving a perfect isolated, non-oscillating and totally vibration-free rotation.

the A*STELLARs plinth: general

- * full air-suspended plinth (bearing and tonearm levels) with 1.2 Hz resonance frequency.
- * plinth featuring 3 levels made from 3 different Aluminium alloys - with inlays of Titanium and vibration-absorbing gel.
- * true 3-point precision leveling with tilt-prevention
- * bearing level and tonearm level bound together with zero play, but further isolated by high density elastomer.
- * both air-suspended levels featuring different alloys - with decreasing energy transfer speed - and are CNC-carved from solid alloy cast blocks.

After CNC each solid level-plinth is again put in thermo-relaxed process before surface finishing.

This process is to avoid any inner tension in the plinth from the start – similar in effect to cryo-treatment in cables and connectors.



the A*STELLARs active dynamic drive

- * double-point brushless DC motor belt drive - with active dynamic control motor management - and free of any parasitic side force / drag applied to the platter.
- * Featuring the sample motor and motor management introduced in the APOLYT.
- * New "zero-sound" precision belt design used for absolute inaudible quite movement of belt.
- * The active motor management decreases gradually the inertia in the motor (NOT in the spinning system!) after selected speed is achieved.
- * double flywheel drive - with active regulated and monitored inertia incorporated by the active motor management.
- * totally decoupled bearing and tonearm mounting board from motor level by air-suspension + zero-vibration embedding of motor drive in base level plinth.
- * speed 33 1/3, 45 and 78 - all full stabilized with below 0.01 derivation from set speed.

the A*STELLARS plinth: tonearm level

- * tonearm mounting boards with "zero-tolerance" embedding and mounting with automatic perfect re-location design: each tonearm mounted and aligned on one position can be moved to any of the other 3 positions without ANY re-alignment / recalibration needed.
- * arm boards in choice of Aluminium Alloy or Titanium with defined and maximized energy transfer.
- * pre-drilled and perfect positioned pre-cut arm boards supplied for each and all tonearms desired.
- * The A*STELLARS unique design of zero-tolerance cross-spindle-symmetry allows the mounting of the following tonearm combinations installed:
 - Rear left board: 14", 12", 10", 9" or 7" effective length pivot tonearm
 - Rear right board (main board): 12", 10", 9" or 7" effective length pivot tonearm
 - Front right board: 14", 12", 10", 9" or 7" effective length pivot tonearm
 - Front left board: 12", 10", 9" or 7" effective length pivot tonearm
 - Rear center arm board: tangential tonearm or 7" effective length pivot tonearm



Depending on style of tangential tonearm mounted on rear center board, rear right board can still be used or not with 12" tonearm.

If tangential tonearm is mounted on center board left rear board cannot be used.

the A*STELLARs power supply

- * external power supply 45 cm width x 38 cm depth x 14 cm height
- * cabinet in standard amplifier front plate design
- * front plate available in silver or black
- * 100V-240V – 50/60Hz
- * including active motor management, full dc-supply, air suspension control.
- * connection and wiring between power supply and turntable made & supplied by LEMO.

the A*STELLARs finish options

- * available in choice of 5 selected standard finishes:

metallic-black,
APOLYT-dark anthracite,
dark-Titanium,
Silver
light-Titanium.

- * on special request possible plinth finish in all Mercedes-Benz, BMW and Porsche colors (must be suitable for high temperature process: 180°/20 minutes).

- * pre-assembled in 5 units - none of them exceeding 27 kg gross weight - for easy and swift set-up.

- * gross dimensions: 69 cm x 48 cm x 23 cm.

- * gross footprint: 63 x 42 cm

- * net weight ASTELLAR turntable: 88 kg

- * net weight ASTELLAR power supply: 18 kg

extra optional components:

- * **optional full battery** powered and w/ incorporated automatic recharge logic (2nd power supply) 2nd power supply.
- * **optional special rack** in 82 or 104 cm top-shelf height to incorporate shelves for 2 or 3 phono stage / line stage components and **with air suspension!**
- * **Acrylic hood** for A*STELLAR turntable – dust and air-borne vibration shelter.

*The A*STELLAR rack(s), acrylic hood and battery power supply to be introduced in June 2022.*

*As these do NOT require the multi-step production process of the A*STELLARs platter and plinth, these can be ordered at any time with our standard delivery time of 6-8 weeks on these components.*

Ordering on racks, hood and battery power supply starting end July 2022.