

Analogue Airbearing Technology

Galder

Airbearing turntable



Galder & Odin

Advantage in using air bearings

The platter is centered by a steel spindle, running in a very frictionless, low noise and hard wearing polymeric bearing material, and floats on a thin air cushion, which lower the mechanical bearing noise to an absolute minimum- if any. (A traditional bearing solution, which keep the platter centered AND support the platter weight, makes a higher level of mechanical bearing noise, as the contact point between spindle top and platter, generates a very high pressure – and hereby noise.)

By floating on an air cushion, the platter also gains the advantage of a very good isolation from the surroundings, same way as the known-and very expensive- air supported shelves, used in many highend audio systems.

Also the speed stability benefit from the air supported platter. The musical flow is really extraordinary – not necessarily measurable but audible.

Design Galder turntable

Galder accept up to 4 tonearms – radial- and linear tracking tonearms. As standard, Galder comes with a main armboard, to fit almost any tonearm brand on the market, 9", 10", 12" tonearms. Output for an airbearing tonearm. Motorbase is separated from the plinth. The motorbase is equipped with a DC tacho motor. Communication between the tacho and the high precision motor control electronic, will keep the platter in a very accurate speed. The vacuum hold down invented by Bergmann Audio, is the most user friendly system: Simply remove the vacuum clamp covering the center spindle, and the vacuum is released, and the record can easily be changed while the platter is still spinning. Put back the vacuum clamp, and the record is automatically flattened by the vacuum.

The air supply is remote controlled from the motorbase.

The air supply has been the object of our greatest attention. The goal is to design a silent air supply, which could be placed in the listening room, and deliver an even, clean and dry air flow.



bergmann

Danish design - produced in Denmark

Galder

Airbearing turntable

Technical specification:

Turntable

Airbearing design.

Vacuum hold down, or clamp.

Accept up to 4 tonearms. All tonearm designs, radial – and linear tracking.

Output for an airbearing tonearm.

Plinth:

Die cast aluminium. Black fine structure coating.

Platter/Bearing:

Aluminium platter floats on air. 3mm acrylic mat.

Centred by hard anodized spindle/hardwearing low friction polymer bearing.

Aluminum Platter weight: 11,8 kg.

Stainless steel Platter weight: 35,7kg.

Feet:

Adjustable feet. Aluminium/ceraball construction.

Dimensions

365 x 480 x 190mm (D x W x H)

Total weight:

Aluminum platter. 38.0 kg.

Stainless steel platter. 63.0kg.

Motorbase:

Tacho motor with high precision feedback control system.

33 & 45

Belt driven

Finish:

Black fine structure coated/Silver anodized

Black fine structure coated/Black anodized

Black Velvet/24 Carat Gold plated

Airsupply:

Silent, clean, dry and smooth airflow. Replaceable filter.

Easy accessible dust filter, for easy cleaning and replacement.

Dimensions:

465 x 225 x 235mm. (D x W x H)

Weight:

18,2 kg.

Galder

In the Nordic Mythology, Galder means to enchant. A craft consisting of magic songs and spells. A master of practice Galder craft, was said to be able to raise storms, make distant ships sink, make swords blunt, make armour decide victory or defeat in battles. Odin, a master of magic, was a God with great abilities to "Galdre".



Galder & Odin

Black structure coated plinth, parts in Silver anodized alu



Galder & Odin

Black structure coated plinth, parts in Black anodized alu



Galder & Odin Gold edition

Black Velvet plinth, parts in 24 Carat Gold plated alu

We focus on thoroughly considered simple constructions, made with few parts in solid materials, to avoid unintended resonances and to secure optimum stability.



Vacuum hold down, easy operated

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