

bergmann

Analogue Airbearing Technology

Modi

Airbearing turntable



Modi & Thor

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 Modi turntable

Modi accept 2 tonearms – radial- and linear tracking tonearms.

As standard, Modi comes with a main armboard, to fit almost any tonearm brand on the market – 9"-12" tonearms.

The plinth is made of one solid piece of cnc-machined composite material, standing on 3 adjustable feet. The platter is belt driven, by a DC tacho motor. Communication between the DC tacho motor and the high precision motor control electronic, will keep the platter in a very accurate speed. Measured by Bruel & Kjaer equipment, speed variation 0.003%. The DC tacho motor is decoupled from the plinth.

The air pump must deliver an even, clean and dry air flow.

The impulses from the pump are absorbed in an encapsulated reservoir. It results in an even airflow to the air bearing. The air supply is mounted with a filter, which prevents dust particles in entering the system.

The pump is an oil free, long life unit, which do not require much maintenance.

The airsupply box, contain air pump, powersupply and communication electronics for Modi. The airsupply is controlled from the turntable plinth



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Danish design - produced in Denmark

Modi

Airbearing turntable

Technical specification:

Turntable:

Airbearing design.

Accept 2 tonearms. Any tonearm designs, radial- and linear tracking.

Plinth:

Solid cnc-machined composite material. Black Velvet coating.

Platter/Bearing:

Aluminium platter floats on air. 3mm Polyethylene mat.

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

Motor:

DC tacho motor with high precision feedback control system.

33 & 45. Belt driven.

Platter weight:

7.5 kg.

Dimensions:

395 x 460 x 124 mm (D x W x H)

Total weight:

17.5 kg.

Finish:

Black Velvet/Brushed aircraft grade (7075)

Black Velvet/Silver

Black Velvet/Black

Airsupply

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

Dimensions:

355 x 195 x 107 mm (D x W x H)

Weight: 7,8kg.

Modi

The name Modi means "courage" or "brave". He is the son of Thor and Sif, and represents the characteristics of his father. He is told that he will survive Ragnarok and- together with his step brother MAGNE- carry on Thor's strength and qualities.



Modi & Thor

Black Velvet plinth, parts in Brushed Aircraft grade alu (7075)



Modi & Thor

Black Velvet plinth, parts in Black anodized alu



Modi & Thor

Black Velvet plinth, parts in Silver anodized alu

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



Modi

Armboard for additional tonearm