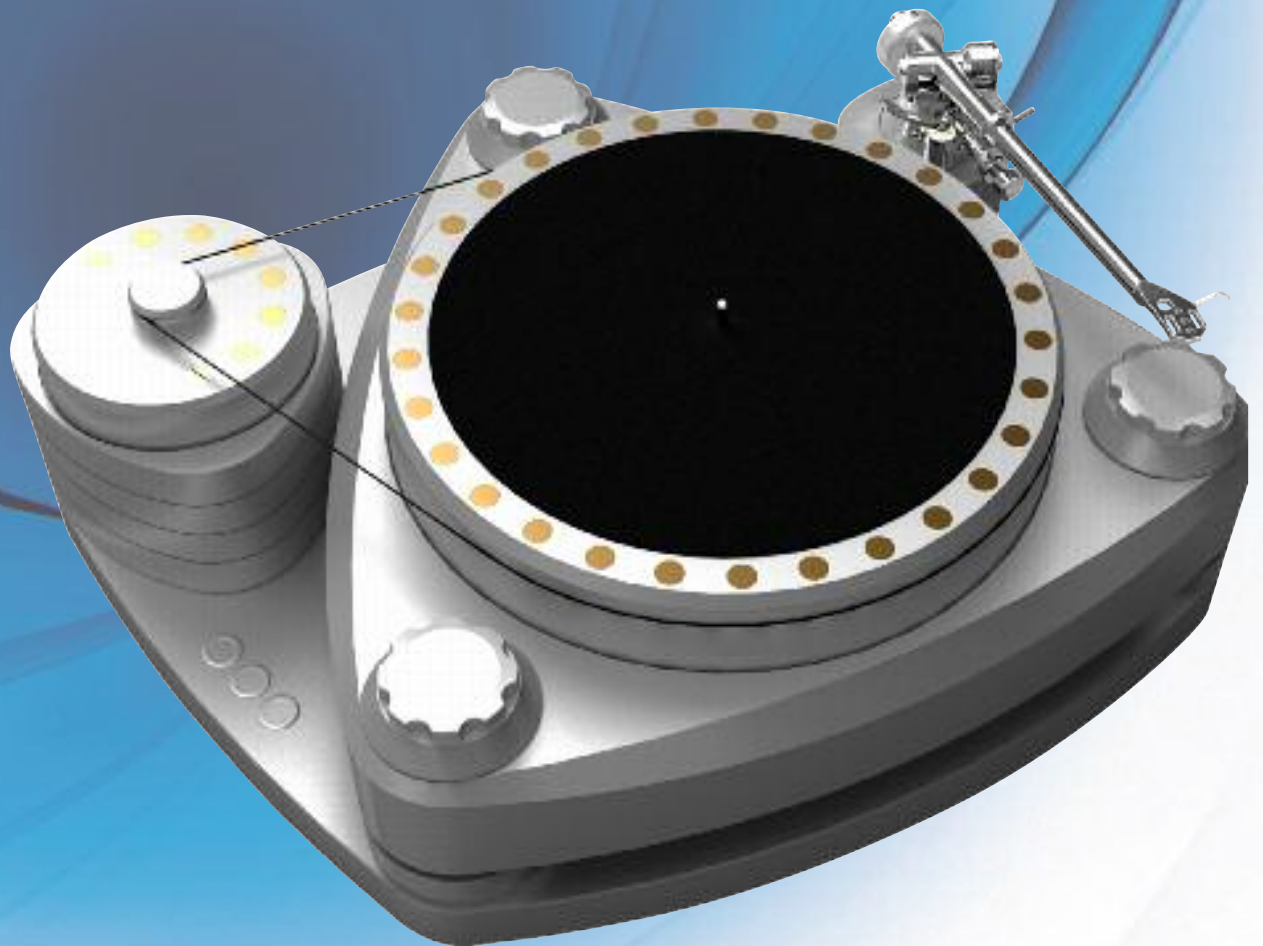


FINE ANALOG TURNTABLES



Acoustic Signature

Highend Made in Germany



ASCONA

Welcome to the superb Ascona.

We set out to design a new milestone in turntable performance, an 'ultimate' high mass turntable, but still elegant and stylish. The Ascona has been designed using our considerable in-house design knowledge and development expertise built up over 15 years. The Ascona story starts with the platter on which the record sits – because we know that the perfect turntable requires a resonance free platter rotating perfectly, with great stability. A very high mass platter is the answer, but needs designing carefully to achieve the desired result, high mass on its own is not enough. Then there is the motor to perfectly rotate the platter and the 'arm board' to perfectly hold the arm – all needed radical re-thinking to achieve our goal – the best sounding turntable we have ever produced, the best turntable ever perhaps? Here are the technical features that make the Ascona so good:

- The record platter (Silencer-Platter3) design brief was clear: Elimination of vibration due to impacting airborne vibration and elimination of bearing noise - to remove resonance at all frequencies, especially in the range 400-6000Hz; and to increase of the rotating mass of the platter to aid stability.

This desired performance brief has been achieved in the following way: A 50mm thick solid aluminium turntable platter is made from a very soft alloy to optimize its periodic resonance and a resonance-reducing material is also applied to the bottom face. Solid brass 'Silencer' inserts are used to eliminate resonance. Ascona employs 30 small Silencer's on the very outer diameter of the platter; we needed to increase the platter diameter to nearly 350mm to achieve this. A further 24 larger Silencers are used within the body of the platter. The manufacturing process for the precision of the holes to accept the silencers was once more refined. The holes are drilled and "line-bored" with a clearance of less than 0.01mm to achieve a perfect fit. The Silencers become an integral part of the turntable - highly absorbing of all vibration energy, the platter remains inert and resonance free. To ensure perfect platter balance, the holes are absolutely true about the centre of the turntable.

- The platter bearing is the heart of every turntable. Through fundamental research and development, we have invented a bearing with the ideal performance characteristics of exact fit, extremely low noise, very low friction and long term stability. At the base of the bearing, we use our specially developed 'high-tech' material TIDORFOLON.

- The plinth is milled out from a 70mm thick block of aluminium and forms part of the integrated turntable ground-plate. Combined with the new platter the Ascona has a weight of 80kg. We grind the surfaces by hand, a lengthy but essential process to achieve visual perfection.

- The external platter drive motor has 3 motors built into one housing. They drive a subplatter on which the Flywheel is placed. So we have much more power and stability than normal. Also the motor is run by its own electronic controller (AlphaDIG), a design we developed for the Ascona, where fully digital output stages and quartz locked technology, produce a perfect sine wave at 24VAC to run the motor, resulting in a perfectly steady and constant platter rotation. It is totally impervious to the negative effects of mains voltage fluctuations, and household appliances that produce 'noisy' mains that can have a very great detrimental effect on AC motors, and therefore the turntable performance and the sound you hear.

- The tone arm mounting plates are the most rigid versions we ever designed. They are adjustable to suit tone arms with lengths from 9 to 12 inches. The mounting of any desired tone arm make is possible, and two tone arm mounting plates can be fitted on the Ascona.

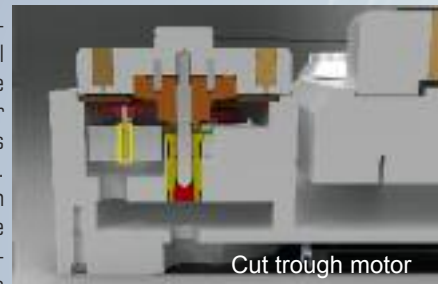
- Three adjustable feet for simple macro and micro adjustments to level the turntable.

As you can see, we have done everything to develop a potentially perfect product. The high mass, low resonance platter (with its inertia) is an integral part of the turntable concept. Very low bearing friction and noise and perfect motor drive control guarantee perfect synchronization and the best sound. Highest precision manufacturing in Germany guarantees reliability of this turntable. To make sure that every ASCONA is exactly the same we produce nearly every part on high precision computer controlled machines in-house.

The bearing chassis is milled out from a 70mm thick block of aluminium and forms part of the integrated turntable ground-plate. Combined with the new platter the Ascona has a weight of 80kg.

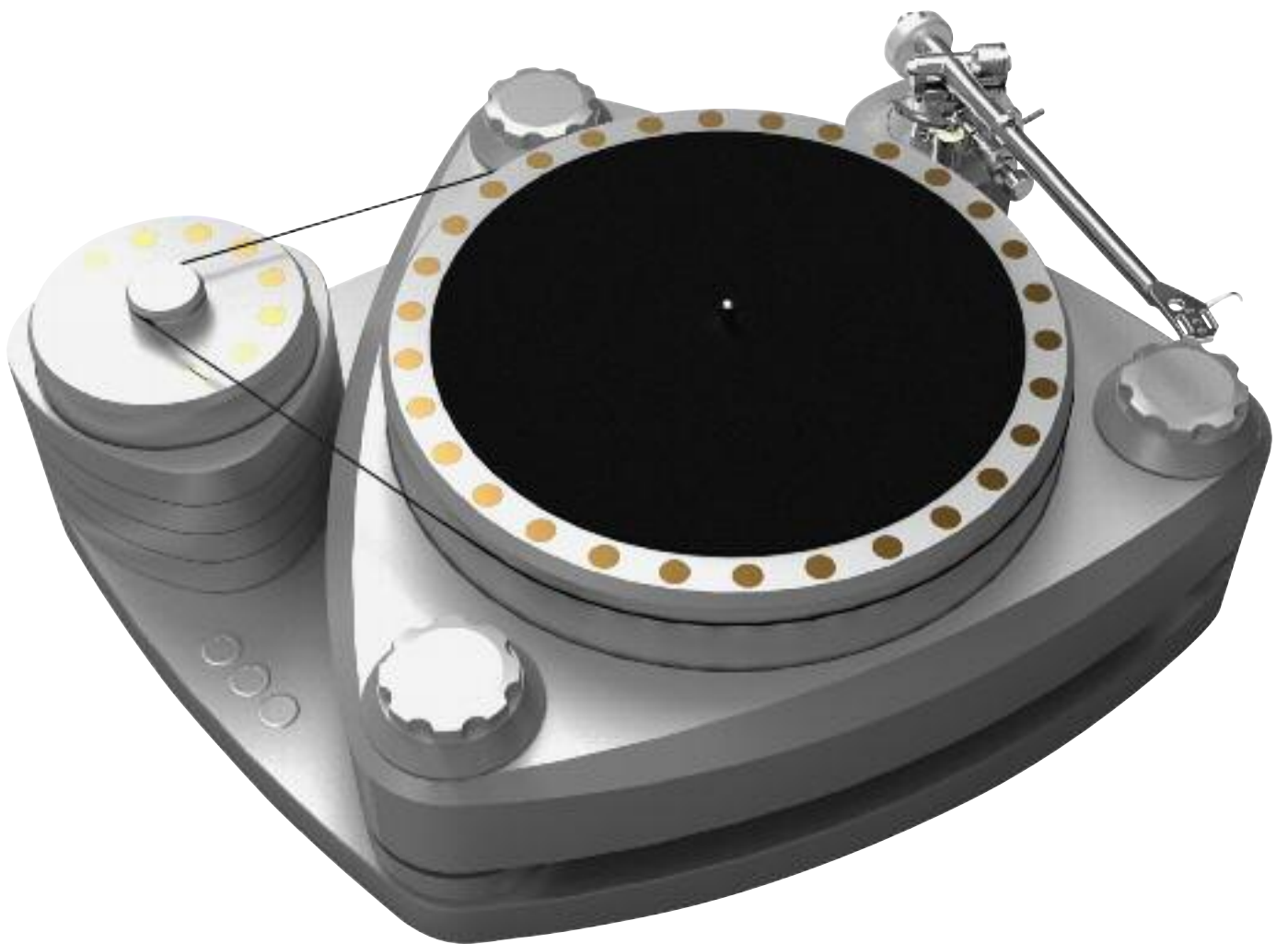


Version with Stand



Cut trough motor

Drive	Bearing	Chassis	Platter	Speed Range	Dimensions
Triple-Flywheel Drive Flywheel with Silencern, MAins decoupled, adjustable, ALPHA-DIG Electronic	High Precision Tidorfolon Bearing	resonance optimised 70mm Mass chassis with 3 height adjustable feets	high precision Aluminium Silencer Plat- ter 3, 50 mm,thick 54 Silencers, 18kg, 345mm Diameter	33 1/3 UPM, 45 UPM with Motorelektronik. 100V-230 V	490 mm depth, 560 mm width ca. 78-83 kg depending on options



THUNDER

Thunder is the first turntable we have manufactured with our new revolutionary 'Silencer Platter 3' design, one of the most significant improvements in our turntable designs.

The Thunder is designed and built for exceptional music reproduction, outperforming turntables costing much more. A 70mm

solid aluminium chassis forms the base of the turntable, on which up to three arm attachments can be fitted for either 9" or 12" tone-arms of any make. The 50mm thick platter is driven by its remotely sited motor and AlphaDIG electronic control offers a perfect supply to the motor. The turntable base has been designed for optimum stability; the large footprint of the table generates more stability, to increase the weight concentration at the base of the turntable. The Thunder is engineered to provide exceptional sound, but its form is also attractively contemporary.

- A 50mm solid turntable platter made of aluminium with Silencer inserts. The platter is made of a very soft alloy to optimize its periodic resonance, and is coated on the rear side with resonance-reducing material. For the Silencer-Platter3 the development target was clearly defined: Elimination of vibration due to impacting airborne sound. Elimination of bearing noise, increase of the gyrating mass. Serious elimination of all frequencies, especially in the range 400-6000Hz. This was achieved by drilling 24 holes into the turntable. The manufacturing process for the precision of these holes was once more refined. The holes are drilled and afterwards separately "line-bored". This allows a clearance of less than 1/100mm. Perfect conditions for the force-fitting of the 24 silencer modules. The "silencers" are now an integral part of the turntable - but highly absorbing. Existing vibration energy

is quickly reduced and the Platter is immediately steadied. To avoid unbalances through the additional holes these are manufactured in the same setting as the outer contour. In this way the holes are absolutely true to the centre of the turntable. As you can see, we have done everything to develop a potentially perfect product.

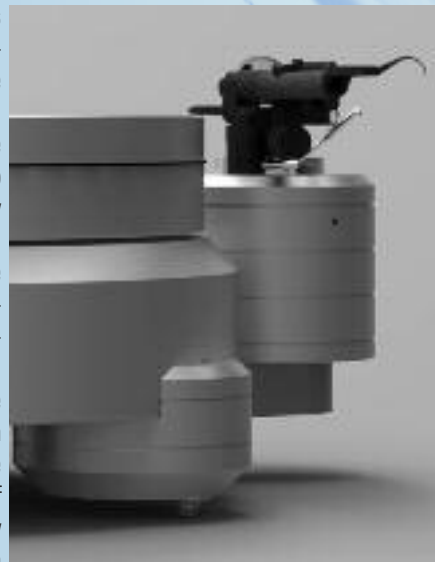
- The bearing is the heart of every turntable. Through fundamental research and development, we have invented a bearing with the ideal performance characteristics of exact fit, extremely low noise, very low friction and long term stability. At the base of the bearing, we use our specially developed 'high-tech' material TIDORFOLON.

- The external drive motor of the turntable is run by its own electronic controller, called the AlphaDIG. It is a brand new design where fully digital output stages and a quartz locked technology is used. It is impervious to the negative effects of mains voltage fluctuations and household appliances that produce 'noisy' mains that can have a very great detrimental effect on AC motors and therefore the turntable performance and ultimately the sound. And a

quartz precision DSP then produces a perfect sine wave at 24VAC to run the motor, resulting in a perfectly steady and constant platter rotation. The AlphaDIG control is the perfect design solution.

- The tone arm mounting plates are adjustable. The mounting of any desired tone arm is possible, with a maximum of 3 tone arm mounting plates on one turntable.
- Three adjustable feet for simple macro and micro adjustments to level the turntable.

- The high mass platter (with its inertia) is an integral part of the turntable concept. Very low bearing friction, perfect motor drive control and large platter inertia guarantee perfect synchronization and the best sound. Highest precision manufacturing in



Germany guarantees reliability of this turntable. To make sure that every Thunder is exactly the same we produce nearly every part on high precision computer controlled machines.

Drive	Bearing	Chassis	Platter	Speed Range	Dimensions
1 Synchronmotor, ALPHADIG electronic	High Precision Tidorfolon Bearing	resonance optimised 70mm Mass chassis with 3 height adjustable feets	high precision Aluminium Platter 50 mm,thick 24 Silencers, 15 kg	33 1/3 UPM, 45 UPM Motor electronic 100-260 V	D: 440 mm W: 440 mm ca. 41-46 kg

THUNDER



CRYSTAL

General: The new Crystal combines the best of both worlds. The fantastic look of the Acrylic and the resistance and hardness of glass. Glass itself has nearly no damping and sound wise is it not the best choice. Acryl is very sensitive against dust and scratches. We use glass in a sandwich with a high dampening transparent foil between the 2 layers. The result is a high mass, highly absorbing perfectly looking material. A perfect solution for a turntable chassis.



Here we bring together one of the most sophisticated drive system/PSU arrangement with a massive, high mass 34mm platter, a sandwich glass chassis and our external stand alone drive system.

Platter A new developed 34mm 6kg solid turntable platter made of aluminium is used. The platter is made of a very soft alloy to optimize its periodic resonance, and is coated on the rear side with resonance-reducing material. Existing vibration energy is quickly reduced and the Platter is immediately steadied. As you can see, we have done everything to develop a potentially perfect product. Its surface comes with a Mirror look which we achieve by cutting it with a real diamond.



Drive	Bearing	Chassis	Platter	Speed Range	Dimensions
1 Synchronius motor, electronically regulated fully mains decoupled adjustable, Alpha-S Motor electronic, external power supply	High Precision Tidorfolon2 Bearing	Dual Sandwich Glass Chassis, with 3 height adjustable feets	high precision Aluminium Platter 34 mm thick 6 kg	33 1/3 UPM, 45 UPM Motor electronic 110V or 230 V	D: 340 mm W: 440 mm ca. 23 kg

CRYSTAL



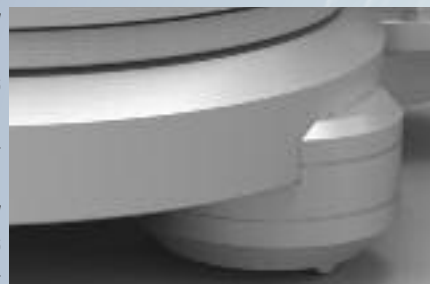
STORM

The new STORM turntable weighs in at 28kg and provides all the advantages that true high mass turntables can deliver.

STORM offers rock solid and tuneful bass, a stable and focused midrange, clear and detailed high frequency reproduction – producing a sound-stage that has both natural delicate musicality and great authority. The new STORM design replaces one of our best selling turntables, improving on the design with wider feet spacing offering greater stability; improved platter resonance damping and heavier platter; quality design to improve sound quality, not for its own sake - something Acoustic Signature is known for worldwide. Of course, **STORM** also has very low mechanical noise courtesy of our unique Tidorfolon bearing design, and an externally sited motor, run by our S-Alpha regenerative power supply ensure perfect rotation of the new platter. We think it looks pretty cool as well!

Facts:

- A 50mm solid turntable platter made of aluminium, a very soft alloy to optimize its periodic resonance. There are 8 Silencer inserts fitted in the platter, to further reduce resonance and the bottom face is coated with resonance-reducing material.
 - The bearing is the heart of every turntable. Through fundamental research and development, we have invented a bearing with the ideal performance characteristics of exact fit, extremely low noise, very low friction and long term stability. The platter bearing component is manufactured from special hardened and polished steel, with an extremely hard tungsten carbide ball at its base. The bearing housing uses perfectly matched and 'aged' sinter bronze inserts which are self-lubricating; and therefore maintenance free. At the base of the bearing, we use our specially developed 'high-tech' material **TIDORFOLON**. Our bearing runs dry - without oil.
 - The external drive motor of the turntable is run by its own electronic controller, called S-Alpha. The AC mains voltage is converted to DC current and a precision oscillator then produces a perfect sine wave at 12VAC to run the motor, resulting in a perfectly steady and constant platter rotation. The S-Alpha is impervious to the negative effects of mains voltage fluctuations and household appliances that produce 'noisy' mains that can have a very great detrimental effect on AC motors and therefore the turntable performance and ultimately the sound. The S-Alpha control is the perfect design solution.
 - A 45mm solid aluminium chassis forms the base of the turntable, on which all arm attachments are fitted.
 - The tone arm mounting plates are adjustable. The mounting of any desired tone arm is possible, with a maximum of 3 tone arm mounting plates for either 9" or 12" on one turntable.
 - The three widely spaced adjustable feet offer simple macro and micro adjustments to level the turntable.
- The high mass platter (with its inertia) is an integral part of the turntable concept. Very low bearing friction, perfect motor drive control and large platter inertia guarantee perfect synchronization and the best sound. Highest precision manufacturing in Germany guarantees reliability of this turntable. To make sure that every **STORM** is exactly the same we produce nearly every part on high precision computer controlled machines.



Drive	Bearing	Chassis	Platter	Speed Range	Dimensions
Synchronous motor, electronically regulated, Power-decoupled through a S-Alpha supply, switch for speed adjustment.	High Precision Tidorfolon Bearing	resonance optimised 44mm Mass chassis with 3 height adjustable feet	High precision machined 12 kg alloy platter 50mm thick incorporating 8 Silencers. Resonance absorbing coating to bottom face.	33 1/3 UPM, 45 UPM Motor electronic 110V or 230 V	D. 345 mm W: 440 mm ca. 31-35 kg

STORM



LIGHTNING

With our brand new Lightning you get a 30kg mass turntable with selectable Carbon or Wood Design surface.

We put all our available engineering and technology into this design which offers many of the technical design features as used in our more expensive designs, but also offers an elegant and simple to use turntable solution with very good sound qualities. The 50mm solid aluminium chassis forms the substantial

turntable plinth, to which the arm board is directly mounted. Together with the 34mm high mass platter, this design incorporates our philosophy regarding high mass turntable design for optimum sound retrieval and musicality.



- A new developed 34mm 6kg solid turntable platter made of aluminium is used. The platter is made of a very soft alloy to optimize its periodic resonance, and is coated on the rear side with resonance-reducing material. Existing vibration energy is quickly reduced and the Platter is immediately steadied. As you can see, we have done everything to develop a potentially perfect product.

- The bearing is the heart of every turntable. Through fundamental research and development, we have invented a bearing with the ideal performance characteristics of exact fit, extremely low noise, very low friction and long term stability. Here we use our TIDORFOLON 2 Bearing. Which is a copy of the famous TIDORFOLON Bearing but modified for the less

weight it has to carry. The platter bearing component is manufactured from special hardened and polished steel with a formed ball at its base. •The external drive motor of the turntable is run by its own electronic controller, called the Alpha-S. Like his big brother the Alpha it converts the AC mains voltage to DC current and a precision oscillator then produces a perfect sine wave at 12VAC to run the motor, resulting in a perfectly steady and constant platter rotation. The smallAlpha is impervious to the negative effects of mains voltage fluctuations and household appliances that produce 'noisy' mains that can have a very great detrimental effect on AC motors and therefore the turntable performance and ultimately the sound. The smallAlpha control is the perfect design solution and but can supply one motor only.

- The tone arm mounting plates are exchangeable. The mounting of any desired 9 inch tone arm is possible. Three adjustable feet for simple macro and micro adjustments to level the turntable. The high mass platter (with its inertia) is an integral part of the turntable concept. Very low bearing friction, perfect motor drive control and large platter inertia guarantee perfect synchronization and the best sound. Highest precision manufacturing in Germany guarantees reliability of this turntable. To make sure that every Lightning is exactly the same we produce nearly every part on high precision computer controlled machines.

Drive	Bearing	Chassis	Platter	Speed Range	Dimensions
1 Synchronius motor, electronically regulated fully mains decoupled adjustable, Alpha-S Motor electronic, external power supply	High Precision Tidorfolon2 Bearing	resonance optimised 50mm Mass chassis with 3 height adjustable feet	high precision Aluminium Platter 34 mm thick 6 kg	33 1/3 UPM, 45 UPM Motor electronic 110V or 230 V	D: 340 mm W: 440 mm ca. 30 kg

LIGHTNING



CHALLENGER

The ChallengerMK2 design offers a remarkable and consistent performance at a highly competitive price, and has real visual appeal.

The Challenger turntable weighs in at 23kg, to offer you our statement entry level high mass turntable. With this Challenger design, we bring together one of the most sophisticated external drive and power supply drive systems, with a massive high mass 50mm thick platter, supported by a solid 40mm thick chassis. The Challenger is incredibly simple to set up, very versatile and sonically its performance is outstanding, making many other brand turntables costing up to three times the price sound poor in comparison.

•A 50mm solid turntable platter made of aluminium. The platter is made of a very soft alloy to optimize its periodic resonance, and is coated on the rear side with resonance-reducing material. • The bearing is the heart of every turntable. Through fundamental research and development, we have invented a bearing with the ideal performance characteristics of exact fit, extremely low noise, very low friction and long term stability.

•The bearing is the heart of every turntable. Through fundamental research and development, we have invented a bearing with the ideal performance characteristics of exact fit, extremely low noise, very low friction and long term stability. The platter bearing component is manufactured from special hardened and polished steel, with an extremely hard tungsten carbide ball at its base. The bearing housing uses perfectly matched and 'aged' sinter bronze inserts which are self-lubricating; and therefore maintenance free. At the base of the bearing, we use our specially developed 'high-tech' material TIDORFOLON. Our bearing runs dry - without oil.

•The external drive motor of the turntable is run by its own electronic controller, called the smallAlpha. Like his big brother the Alpha it converts the AC mains voltage to DC current and a precision oscillator then produces a perfect sine wave at 12VAC to run the motor, resulting in a perfectly steady and constant platter rotation. The smallAlpha is impervious to the negative effects of mains voltage fluctuations and household appliances that produce 'noisy' mains that can have a very great detrimental effect on AC motors and therefore the turntable performance and ultimately the sound. The smallAlpha control is the perfect design solution and but can supply one motor only.

•The tone arm mounting plates are adjustable. The mounting of any desired tone arm is possible, with a maximum of 3 tone arm mounting plates on one turntable

• Three adjustable feet for simple macro and micro adjustments to level the turntable.

• The high mass platter (with its inertia) is an integral part of the turntable concept. Very low bearing friction, perfect motor drive control and large platter inertia guarantee perfect synchronization and the best sound. Highest precision manufacturing in Germany guarantees reliability of this turntable. To make sure that every Challenger is exactly the same we produce nearly every part on high precision computer controlled machines.

• The high mass platter (with its inertia) is an integral part of the turntable concept. Very low bearing friction, perfect motor drive control and large platter inertia guarantee perfect synchronization and the best sound. Highest precision manufacturing in Germany guarantees reliability of this turntable. To make sure that every Challenger is exactly the same we produce nearly every part on high precision computer controlled machines.

• The high mass platter (with its inertia) is an integral part of the turntable concept. Very low bearing friction, perfect motor drive control and large platter inertia guarantee perfect synchronization and the best sound. Highest precision manufacturing in Germany guarantees reliability of this turntable. To make sure that every Challenger is exactly the same we produce nearly every part on high precision computer controlled machines.



Drive	Bearing	Chassis	Platter	Speed Range	Dimensions
1 Synchronius motor, electronically regulated fully mains decoupled adjustable, small Alpha Motor electronic, external power supply	high precision TIDORFOLON Bearing rollerbus-hed and paired with axle.	vibration damped Chassis, 3 height adjustable feets, soft alloy for low resonance.	high precision platter made of aluminium, 5cm height. 9kg weight.	33 1/3 RPM, 45 UPM with motor electronic. 110V or 230 V	440b x 180h x 350d mm, 21-25Kg weight depending on extras.

CHALLENGER MK2



MANFRED

BLACK-Piano

Cherry



The Manfred Mk2 turntable is manufactured using a choice of sumptuous real wood veneers, something you would expect on a high end speaker system rather than an entry level turntable

The solid wooden plinth carries the substantial high mass turntable platter bearing housing and tone arm mounting plate. The turntable motor unit is remotely sited, close to the plinth, and is the same motor as is used in our high end turntables, powered from our S-Alpha regenerative power supply unit.

- The turntable platter is solid machined aluminium, 34mm thick and weighing 6kg. The platter is made of a very soft alloy to optimize its periodic resonance, and is coated on the rear side with resonance-reducing material. Existing vibration energy is quickly reduced and the Platter is immediately steadied. The design is optimised to ensure both air borne and operating vibration energy is damped and, to present the best operating conditions for your arm and cartridge and offer you the best sound from your vinyl collection.

- The platter bearing is the heart of every turntable and Acoustic Signature have invented a bearing with the ideal performance characteristics of exact fit, extremely low noise, very low friction and long term stability. The platter bearing component is manufactured from special hardened and polished steel. The bearing housing uses perfectly matched sinter bronze inserts which are self-lubricating; and therefore maintenance free. At the base of the bearing, we use our specially developed 'high-tech' material TIDORFOLON. All bearings in Acoustic Signature turntables are designed to run dry - without oil.

- The remotely sited drive motor sits neatly within a special aperture in the Manfred Mk2 plinth, an elegant and practical solution to ensure vibration isolation in the plinth is minimised. The sophisticated electronic control is provided by the 'S' Alpha electronic motor controller, a single motor controller, similar to its 'big brother' Alpha controller, as used with more expensive Acoustic Signature turntables. It converts the incoming AC mains voltage to DC current and a precision oscillator then produces a perfect sine wave at 12VAC to run the motor, resulting in a perfectly steady and constant platter rotation. The motor power supply is impervious to the negative effects of mains voltage fluctuations and household appliances that produce 'noisy' mains that can have a very great detrimental effect on AC motors and therefore the turntable performance and ultimately the sound.

- The Manfred Mk2 turntable can be specified and delivered with any production Rega tone arm, like the RB 251 or RB 301; or supplied with a tone arm mounting plate to suit any other 9 inch arm. These arm plates are exchangeable if you decide to change your arm. The plinth has three adjustable feet for simple macro and micro adjustments to level the turntable. The Manfred MK2 is available in real wood maple and cherry, or piano black or white high gloss paint finishes to special order. The Manfred Mk2 uses design concepts incorporated throughout the Acoustic Signature turntable range: such as a high mass platter design, very low bearing noise and friction, perfect motor drive control, and highest precision German design and engineering. This guarantees long term reliability and high performance; it ensures that every Manfred MK2 is exactly the same, as we produce nearly every part on our precision computer controlled machines.

The Manfred MK2 is available in maple, cherry, black ash or piano black or piano white.

Drive	Bearing	Chassis	Platter	Speed Range	Dimensions
1 Synchronius motor, electronically regulated fully mains decoupled adjustable, Alpha-S Motor electronic, external power supply	High Precision Tidorfolon2 Bearing	real wood veneer 38mm Chassis, 3 height adjustable feets, external motor	high precision platter made of aluminium, 3,4cm height. 6kg weight.	33 1/3 RPM, 45 UPM with motor electronic. 110V or 230 V	430w x 170h x 340d mm, 16kg.

MANFRED MK2



MAPLE

BARZETTI

The Barzetti turntable; combines the precision of high mass turntable designs with fresh and attractive contemporary looks.

A stylish statement, with soft curved faces and corners, making this highly engineered turntable a thing of true beauty and built for high quality music reproduction – offering a very high level of performance for a turntable in its price range. Using a newly designed 36mm thick (6Kg) solid turntable platter made of aluminium. Machined with a diamond cutting tool ensures the finish is beautiful and the platter exceptionally well balanced for optimum performance. The bearing is the heart of every turntable. Through fundamental research and development, Acoustic Signature have invented a bearing with the ideal performance characteristics of exact fit, extremely low noise, very low friction and long term stability. The platter bearing component is manufactured from special hardened and polished steel. The bearing housing uses perfectly matched sinter bronze inserts which are self-lubricating; and therefore maintenance free. At the base of the bearing, we use our specially developed 'high-tech' material TIDORFOLON, using our new TIDORFOLON 2 bearing design, specially optimised for the Barzetti platter. All bearings in Acoustic Signature turntables are designed to run dry - without oil. The drive motor and its sophisticated electronic control are housed within the turntable chassis. The 'S' Alpha electronic motor controller, developed for the Barzetti from its 'big brother' Alpha controller, as used with more expensive Acoustic Signature turntables. It converts the incoming AC mains voltage to



DC current and a precision oscillator then produces a perfect sine wave at 12VAC to run the motor, resulting in a perfectly steady and constant platter rotation. The motor power supply is impervious to the negative effects of household appliances that have a very great and therefore the quality of the sound. The CNC milled MDF cleaned base unit of this and motor electronic lower bearing housing arm mounting design, making perfect horizontal arm alignment possible for the Rega arm supplied, doing away with the usual Rega arm spacers. There are alternative arm base plates available for all 9" tone arms. Three adjustable feet enable simple macro and micro adjustments to perfectly level the turntable.



The chassis is finished with a 10-layered high gloss piano lacquer – the highest quality paint finish on the market with a perfect mirror-like surface in black or white.

The **Barzetti** has evolved out of and uses design concepts

incorporated throughout the Acoustic Signature turntable range: High mass platter design, very low bearing noise and friction, perfect motor drive control, and highest precision German design and engineering. This guarantees long term reliability and high performance from a fully integrated and easy to use turntable. Our newest stroke of genius!

Drive	Bearing	Chassis	Platter	Speed Range	Dimensions
1 Synchronmotor, electronic controlled small ALPHA electronic	High Precision TIDORFOLON Bearing II	50mm Chassis, height adjustable feets 10 layers piano finish black and white color	Aluminium platter 35mm 6kg	33 1/3 UPM, 45 UPM switchable electronic 110V or 230 V	D:340 mm, W:430 mm ca. 9-11 kg

BARZETTI



ALPHA DIG MOTOR ELECTRONIC

When we told you Acoustic Signature didn't overlook anything in the design of their turntables, we meant it. Recently the engineers redesigned the motor electronic to better meet your needs. The result is the AlphaDIG Motor electronic. The perfect engine for your Acoustic-Signature turntable. All AC synchronous motors are normally speed-linked directly to the frequency of the main voltage from your wall. A simple transformer is all that most manufacturers use to convert wall voltage to the motors input. This is problematic for several reasons. The voltage from your wall contains quite a bit of "noise", spikes and distortions, that can seriously affect the performance of the motor. The result is an unsatisfying listening experience. And your fun listening music depends extremely from the quality of main power. The AlphaDIG completely decouples your motor from your



wall voltage, making the Acoustic-Signature turntable invulnerable to AC power fluctuations. This is achieved through a series of refinements. It is a brand new design where fully digital output stages and a quartz locked technology is used. It is impervious to the negative effects of mains voltage fluctuations and household appliances that produce 'noisy' mains that can have a very great detrimental effect on AC motors and therefore the turntable performance and ultimately the sound. And a quartz precision DSP then produces a perfect sine wave at 24VAC to run the motor, resulting in a perfectly steady and constant platter rotation. The AlphaDIG control is the perfect design solution. The AlphaDIG is impervious to the negative effects household appliances can have on a turntable. The AlphaDIG can power up to three separate motors. Similar power supplies cost hundreds, even thousands of dollars. Acoustic Signature

provides the upgraded AlphaDIG with every Ascona or Thunder turntable at no extra cost. For the other models the Alpha-S is included. Which also generated the sine wave internally but in a more conventional analog design. The Alpha-S is able to drive one motor. From the wall to your ears no stone was left unturned. Using the Alpha improves the sound quality of the turntable in a very effective way.



Alpha-S

TANGO PHONO MK2

With the Tango, we created a mid price phono preamp that is easy to use and produces outstanding sound quality. The mainboard is manufactured as a double-sided board with a large shielding surface on the top. Only with the double-sided layout those short signal paths are possible which are needed for the perfect amplification of the extremely small cartridge signals. This guarantees very low hum and noise values and an outstanding sound quality. MM and MC settings are widely selectable. The voltage supply comes with a R.P.C. circuit. This is a newly developed circuit which extremely decreases the ripple after the regulator and there-

fore creates a nearly battery like DC. To make sure the Tango is working in the best possible way, we have included more than 20.000uF capacitors for filtering!! This is more than much power amps have. We only use the best quality capacitors on the market. All electrolytic capacitors are bypassed with Foil-capacitors to make sure small and fast impulses are transmitted in the best way. The allowed tolerance from the RIAA curve is less than 0.2 dB. This is reached by using 1% resistors and high-precision 1% tolerance capacitors. To ensure perfect operation every Amp has a on site additional power reservoir of 2000 uf direct

connected to its power pins. This additional local stabilization guarantees the best possible working conditions for the amp. The Tango also has a subsonic filter which eliminates extreme low frequency distortions under 6 Hz. The technical data corresponds to the enormous effort we have used in designing this phono preamp.



TANGO internal



TANGO Back

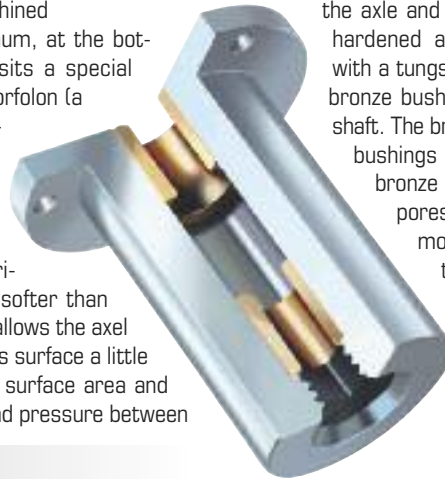


TANGO Front

TIDORFOLON Bearing

The heart of any great turntable is the bearing, and Acoustic Signature tables are no exception. Engineered with the sophistication and genius our bearing design is guaranteed to keep you spinning records for years to come. Ordinary bearings rely on a liquid lubricant to allow the platter to spin smoothly. There are several reasons that this is problematic. As the contact point of the shaft touches the bottom of the bearing, it creates pressure, squeezing out the oil from underneath the most critical section of the assembly. Also because of gravity the lubricant cannot coat the entire shaft or axle leaving wear points at the top. Our solution is pure genius. The housing of

the bearing is machined out of solid aluminum, at the bottom of the shaft sits a special material called Tidorfolon (a mixture of vanadium, ferrite Teflon, and titanium). It is noiseless, wear-free, and self-lubricating. Since it is softer than standard plates it allows the axle point to sink into it's surface a little bit, creating more surface area and reducing friction and pressure between



the axle and the base. The axle is made of hardened antimagnetic steel and tipped with a tungsten carbide ball. Sinter bronze bushings are used to lubricate the shaft. The bronze is more porous than usual bushings and is naturally lubricated. The bronze is heated, expanding its natural pores, and soaked in oil to add even more lubricant. As the axle spins the oil impregnated bronze allows the shaft to spin smoothly without the need for an additional liquid.

GRIP MK2

Vinyl records are thin and flexible and often warped or bowed. As most records do not lie flat on the turntable platter, sound reproduction suffers due to undampend vinyl resonance caused by the stylus riding on an unsupported record, or the air moved during listening with speakers. Records which are bowed downward contact the platter at the outer edge but not in the middle. Conversely, records that are warped or bowed upwards tend to rock on the platter. In these instances Antiskating compensation is less effective and record wear is increased substantially by the lateral or vertical seesawing motion of the tonearm/cartridge combination. The Acoustic-Signature GRIP Record Clamp solves these problems by

bringing the record into more intimate contact with the platter. To use it, place the record on the platter and place the clamp on the record. Press and turn the upper knob clockwise to lock the unit. The record clamp's peripheral edge will force down the outside of the record label area thereby causing the record to completely contact the platter surface. To remove the clamp, it is only necessary to turn the knob 1/4 turn counterclock-



wise. The knob does not have to be unscrewed completely. Like all other Acoustic-Signature products the Grip is made on high precision CNC-machines to make sure perfect quality and minimal tolerances.

VTA SPACER

Rega builds excellent tonearms however all are characterized by a lack of possibility of height adjustment. An adaptation to different installation situations and different heights of pick-ups is not possible. Accessory spacers are available in 2mm height.

It is necessary to take the arm out also take the cable out. Then put spacer over the cable and all the cable back. All this with a mounted expensive cartridge in your arm. If you are lucky the 2mm are ok. But most of the time its too much or not enough. So the height is still not perfectly aligned.

How can dissolve the problem? It's easy with our Spacer Set made from Stainless Steel. It allows you to adjust the height from 0.5mm to 3.5mm in precise steps of 0.5mm.

And the best-all without removing the tone arm. Only open the screws insert the AS-spacer lock the screws-ready.



Set-1
0.5 mm-3.5 mm



Set-2
0.5 mm-6.5 mm

Feltmat's

Individualize your turntable

Our 2mm thick colored feltmats are made of wool with additional fibre. They are available in six colors (white, red, green, blue, yellow and purple) and black





Acoustic Signature

Highend Made in Germany

Hersteller Acoustic Signature
Made by AS-Distribution GmbH
Salacher Straße 88
D-73054 Eisingen Fils
Tel +49-(0)71 61-389 81 35
Fax +49-(0)71 61-389 81 37
info@as-distribution.de
www.as-distribution.de