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High End Munich 2017

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Welcome to Hifi Pig's coverage of the High End Show that took place in Munich in May.

To anyone that has been, it's clear that Munich represents the pinnacle of what a Hifi show can be. To those who have not yet attended the show then we hope that this will give you an incentive to pop along for yourselves this coming year. Which brings me nicely on to the dates for the show in 2018...10th to 13th May are dates that you need to put in your diary right now.

Enjoy!

Suat Smith

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Press Events Birds Eye View Newcomers To High-End The Joy Of Decks - Turntables at High-EndA A Walk Around High-End The Hifi Pig Loves You Award Runners Up And Winners

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10 products of the year and most wanted components

in just 2 years by preserving relative phase relationships in a signal





Press Events and Product Launches At High End. Day One

Being the biggest show of its kind in Europe many companies choose the High-End Show to launch new products. Here are some of the press events we attended on the first day of the show.

> 9 products of the year and most wanted components in just 2 years by preserving relative phase relationships in a signal

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Dynaudio Special Forty Launch Event

Munich is always hectic and this year was no different for Lin and myself and so we were up bright and early to make sure we arrived on time for the first press conference of the day (of many) and the launch of Danish brand Dynaudio's brand-new 40th anniversary speaker – the Special Forty. Special Forty is a two way standmounter and features:

A brand-new tweeter: the 28mm Esotar Forty, exclusive to this model

A specially optimised, all-new 17cm woofer

Classic Dynaudio first-order crossover topology

Two high-gloss finishes: Grey Birch and Red Birch

The Special Forty's new tweeter and woofer both have extended frequency ranges to improve integration between them. The Esotar Forty's tweeter design means it can play down to the upper midrange – around 1000Hz – without adverse effects. It includes a precision-coated soft-dome diaphragm, ultra-powerful magnet, optimised airflow and Dynaudio's signature ferrofluid-damped aluminium voice-coil. The woofer, which the company claim to be their best 17cm model yet, can handle frequencies up to 4000Hz thanks to the company's proprietary Magnesium Silicate Polymer (MSP) material and geometrically optimised one- piece moulded cone design. This uses the centre of the cone to reproduce midrange frequencies by coupling it directly to the voice-coil.

Dynaudio's engineers have taken great care to ensure this frequency overlap happens in the drivers themselves, rather than correcting or tweaking the signal in the crossover.

The crossover is derived from classic Dynaudio first-order topology – something the company has been continuously refining for decades. Select high-grade components and Dynaudio's 40 years of design experience have made it incredibly refined.

The AirFlow Basket, which holds the driver motor securely in place in the cabinet without transferring unwanted vibration, has specially shaped aerodynamic ribs to reduce internal reflections and help improve air move behind the cone without compromising the basket's stiffness or stability.



The woofer's hybrid magnet system sits inside the voice-coil rather than outside, in order to better immerse the voice-coil's aluminium wire in magnetic flux for more power and better efficiency. The magnetic energy is supplied by a powerful neodymium magnet, while a gentler ferrite magnet controls its direction to where it's needed most: around the coil.

The two exclusive finishes in the form of high-gloss Grey Birch and Red Birch lacquers which certainly highlighted the grain of the wood beautifully.

Frequency response (+/- 3dB): 41Hz – 23kHz

Impedance: 6 ohms

Sensitivity: 86dB (2.83V/1m)

Crossover: Two-way, first-order topology

Dimensions (W x H x D): 19.8 x 36 x 30.7cm

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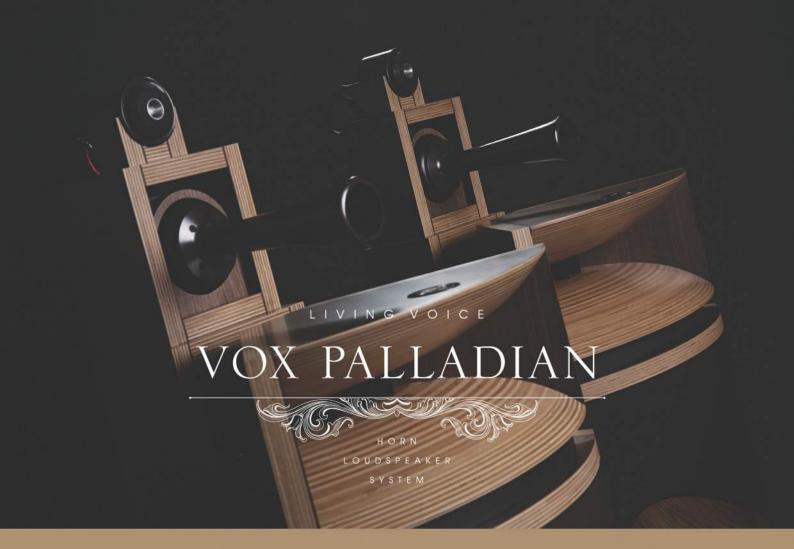
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The Special Forty are €2999 per pair.



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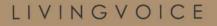
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MURAUDIO

This wasn't really a press event as such but more of a private listening session with the Canadian company's Domain Omni PX2 loudspeaker. The PX2 is a really interesting concept and their catchline "Sound Is Everywhere" gives you an idea of what it is all about. On top of the cabinet there are three 120 degree electrostatic panels that give a 360 degree listening experience. Each of the electrostatic panels is made of tensioned mylar film that's ultra thin. Down beow is a more conventional looking cabinet, only there are three bass drivers positioned around the 6.4mm cast aluminium enclosure. Prices for these speakers start at \$79 500.



Electronics used in the room were Moon by Simaudio, carrying on the Canadian theme, and all in all it was a really interesting experience. Ideally I'd have liked to have heard these in a real live room situation as the cabns at High-End are really more suited to conventional speaker placement.

BURMESTER

You couldn't really miss this brand as there was a Bugatti Veyron kitted out with their music system on their floor plus other luxury cars elsewhere in the show. They certainly had a lot to tell us and the very hot room was packed with people eager to see what was under the ominous white box on the rack. After a long speech by Dieter Burmester's successor (Dieter passed away in 2015) the box was lifted to reveal Burmester's first turntable. Needless to say it was kitted out in the company's familiar chrome finish that will appeal to some and not others...thought they call them their "chrome jewels".

The record player is around 30 000 euros, though for that you get a complete package including a built in phonostage, arm and cartridge.

Next up we had a rather impressive set of speakers that absolutely dominated the room. These were interesting and without going into all the tech spec, they have a



normal mode and a live mode with the latter bringing a tweeter mounted on top of the cabinet into play. This really opened up the listening experience when they played Eric Clapton's live version of Layla. Prices are to be confirmed but when questioned they said "It will be a six figure sum and we hope the first figure will be a one" so expect them to be just slightly sub 200 000 Euros.



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An hour is a long time to be in a hot and packed room but Auralic's Xuanqian Wang was interesting, engaging and informative and the hour flew by whilst he introduced the new look Auralic products. The new range comprises the Aries G2, Sirius G2, Vega G2 and Leo G2.

The Aries G2 is a wireless streaming bridge which essentially means it's a streamer with a built in DAC and it really does up the game when compared to the previous model. The processor speed is 50% faster in the new model, memory and data storage are doubled, it will do DSD512, a true colour retina display is placed on the front, it gets a smart IR remote and has "smart" feet that balance the unit. The remote function is interesting as the unit will learn to operate from your existing remote so you don't have yet another remote control cluttering up your coffee table.

The Vega G2 DAC likewise improves on the original in every respect and, like the other units in the G2 range comes with something Auralic are calling the Lightning Link. Lightning Link is a low-jitter, bi-directional 18Gbps

coupling that takes advantage of high-speed HDMI-type hardware connectors to provide a

superior level of transmission control, making today's ultra-high resolution digital music shine like never before.

Different from the I2S standard, the bi-directional Lightning Link opens the door to jitterfree operation of all the devices in your system. Clocking information from destination devices such as the VEGA G2 can drive the ARIES G2 timing for example, providing perfect data synchronisation. Lightning Link also carries system control data for everything from volume control to processor engine setup, allowing all linked AURALiC devices to appear in a single, unified control interface.

Like all streaming-capable AURALiC products, the VEGA G2's expansive functionality and connectivity options are thanks to its native integration of AURALiC's custom-built Lightning Streaming technology. Lightning Streaming uses your existing network to create a dedicated music streaming environment capable of processing and streaming the highest resolution musical formats available, including DSD512 and PCM 32bit/384k.

Sirius G2 allows for DSD upsampling whilst Leo G2 is a very low jitter clock designed to boost the sound quality of the Vega G2.

All in all the new range looks very impressive on paper and sounded fab on the day.



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AVM

German brand AVM announced a whole new range of products at their press event.

The OVATION 8.2 line marks the flagship models of the company using the AVM 803 tube line stage that all OVATION 8.2 models share. This tube stage is based on AVM's own 803 tube in combination with an AC independent high-voltage generation.

CS 8.2 – All-in-One Streaming CD Receiver with 2 x 500 W

MP 8.2 – Media Player with HiFi Streaming, CD Player and DAC (384kHz/32bit & DSD128)

CD 8.2 – CD Player and DAC (384kHz/32bit & DSD128)

PA 8.2 – Fully modular analogue preamplifier (803 tube stage as an optional module). This looked to be a really cool product allowing users to have as many or as few modules as the need/wish.

SD 8.2 – Analogue preamp with HiFi Streaming & DAC (384kHz/32bit & DSD128)

In addition to the new and exciting product announcements from the OVATION flagship line, AVM announced the global launch of the AVM30 – the new entry-level line which AVM introduced in 2016 in Germany with three models as a limited edition to mark its 30th anniversary. In the Autumn of 2017 AVM will be bringing this range, with some very new models, to the rest of the world.

AVM30 models in brief:

MP30 Media Player with HiFi Streaming, CD Player and DAC (incl. DSD64)

CD30 CD Player and DAC (incl. DSD64)

CS30 All-in-One HiFi Streaming CD Receiver with 2 x 125 W





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Wharfedale - Diamond Geezers!

As Wharfedale celebrates its 85th birthday, they have launched the newest Diamond series, Diamond 11. Since 1981, Wharfedale's Diamond speakers have served as the classic entry point to hifi, who hasn't owned a pair of Diamonds at some point in their life? We caught up with Peter Comeau, Wharfedale's Director of Acoustic Design for the launch of the Diamond 11 series.

Sporting improvements both inside and out, Diamond 11 represents the "most significantly enhanced Diamond series in years". The range comprises eight models: three standmounting speakers (Diamond 11.0, 11.1 and 11.2), three floorstanders (Diamond 11.3, 11.4 and 11.5) and two centre speakers for home cinema systems (Diamond 11.CC and 11.CS).

"The most immediately obvious change is a return to the elegantly curved cabinet sides made famous by the Diamond 9 and Diamond 10 ranges. The more recent Diamond 100 and Diamond 200 speakers had squaresided cabinets, but the Diamond 11 Series brings back the curves in response to global demand. The result is an affordable speaker range with a distinctly premium look and sound".

Improvements made to the Diamond 11 Series include:

New drive units across the range, designed and built in-house.

Bass/midrange drivers incorporate massive magnet designs, special ribbed baskets and advanced suspension to complement their woven Kevlar cones.

High-performance textile-domed tweeter sports an over-sized ceramic magnet and specially shaped rear chamber.

Redesigned crossover network.

Cabinet walls made from a sandwich of woods of differing density.

Curved cabinet walls enhance acoustic performance as well as the speakers' aesthetic qualities.



Bass loading via an improved version of Wharfedale's slot-loaded distributed port.

"Whereas most affordable speaker systems are based on drive units that are built down to a price, Wharfedale started with the premise that Diamond drivers should be aimed at performance. That is why the Diamond 11 Series sports advanced driver systems incorporating elements that normally only find their way into high-end loudspeakers. For example, the bass and midrange drivers use a basket with a network of ribs that maintain the rigidity of the basket while leaving a large open area behind the cone. The rigidity improves transient impact while the big open area reduces early reflections to cone and allows the generous, specially chosen internal cabinet absorbent to do its work. The Diamond 11 Series speakers also feature massive magnet designs to both raise sensitivity and ensure absolute control of cone movement over lower bass frequencies. In addition, the use of a specially shaped single-forged pole piece with copper cap controls the magnetic flux and ensures low distortion through the critical midrange area. Then there is the progressive suspension which features a lightweight foamed surround for an extended midrange response, in conjunction with a super-long-throw voice coil motor system. The woven Kevlar cone, a long-time favourite for Diamond designs, has been treated to provide a precise match to the new suspension elements. High-frequency performance has been similarly enhanced with a newly evolved tweeter design. Again, an over-sized ceramic magnet system is used, with a copper cap for flux control. And, here, the pole piece is vented through to a specially shaped rear chamber.

For the Diamond 11 Series, Wharfedale's engineers have refined the multi-layer sandwich of woods of differing density to subdue the identifiable characteristics of the cabinet 'sound' and so let the drive units speak for themselves. Critical bracing of the cabinet panels, together with the curving of the cabinet walls to provide a non-boxy shape, have reduced resonances more than 25dB below the driver outputs. In addition, the cabinet walls are lined with a specially developed internal fibre.

The slot-loaded distributed port is a recent Diamond innovation, first introduced in the Diamond 100 Series in 2012, where the internal port tube opens into a slot formed between the cabinet and the plinth. Wharfedale has taken this slot one stage further for the Diamond 11 Series, profiling both ends of the port with a semi-parabolic entry and exit curve that linearises airflow through the port tube.

The Diamond 11 Series is available from July. All speakers come in a choice of black, white, walnut and rosewood.





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Johan Coorg is a brilliant ambassador for the KEF brand is always engaging, informative and well aware that the last thing we want towards the end of a long day is to be talked at for hours on end.



Today KEF were launching the latest iteration of their highly popular Q Series of loudspeakers. This is the 8th version of a series that was originally launched in 1991 but the atest version uses tech and improvements trickled down from KEF's higher end products, whilst remaining very affordable.

There are six new models and these are aimed both at the two channel and AV users

The new range sport a new low frequency driver with a new cone structure, new large roll surround and improved spider suspension performance. Of course the range also sports the company's Uni Q driver.

Cor Blimey PMC



PMC is used the High End Show to introduce the "cor", the company's first consumer integrated amplifier and we met with Keith Tonge (Creative Director) and Oliver Thomas (R and D Manager) who were both very excited about what promises to be a great product for the brand.

The cor integrated is an amplifier that adds no sonic character of its own to the music the company say and given their studio heritage i see no reason to argue with them.

Designed and hand-built by PMC in the UK, the cor - the dictionary definition of which is: (anatomy) heart; (figuratively) soul, mind - is an integrated amplifier that works entirely in the analogue domain. The four unbalanced RCA analogue inputs are joined by one pair of balanced XLR inputs and a set of direct inputs that connect straight to the power amplifier. The cor integrated does not feature any digital inputs and is described as an analogue amplifier for the purist.

All the components were specified without compromise after extensive listening tests, including the black PCBs and the volume control, which, together with the tone and balance faders, are motorised using the finest technology from professional mixing consoles, and are remote controllable. Yes you read that correctly...TONE CONTROLS!!!

The audio signal passing through the controls remains entirely in the analogue

domain and, if desired, a defeat option routes the signal only via the volume control. Audio switching is via hermetically sealed, inert gas filled, gold plated relays for zero oxidisation and better electronic isolation. Power output from the Class A/B design is rated 95 watts into 8 ohms and 140 watts into 4 ohms.

The cor also features a Class A/B headphone amplifier for personal listening.

The Darlington circuit provides short signal paths and builds on the work of Sidney Darlington at Bell Labs. The PMC designers auditioned many different configurations of transistor implementation before settling on the Darlington design, which they found provided the best transparency.

Each circuit block is linked by a balanced connection, locking spurious RF and EMI emissions out of the audio path and enabling each circuit block to reference its own local ground. The PMC custom designed 360VA power transformer uses MuMETAL® shielding to further reduce EMI, a specially formulated, military-spec alloy which absorbs up to 200 times more magnetic flux than steel.

The extruded aluminium remote control echoes the style of the amplifier and allows volume, balance or tonal adjustments at the touch of a button.

UK retail price of £4995, inc. VAT with Euro pricing TBC.

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Mark Levinson - New Integrated And A Turntable

Arman's Mark Levinson introduced the N№ 585.5 Integrated Amplifier with Pure Phono module. The N№ 585.5 is the second integrated amplifier in the Mark Levinson 500 series range: an upgrade to the N№ 585 which adds the brand's Pure Phono capability and other new features while retaining the existing Precision Link DAC and analogue inputs. In addition to the Pure Phono module, the N№ 585.5 also includes an upgraded remote control and new three-piece extruded, machined, and anodized aluminum top cover which replaces the current single-piece top cover of the original № 585 and matches the appearance of all other Mark Levinson 500 Series products.

The Mark Levinson Pure Phono stage features fully discrete, extremely low noise gain stages, with RIAA equalisation implemented using a combination of active and passive filter circuits. Four gain settings, multiple resistive- and capacitive-loading settings, and an infrasonic filter are adjustable via the front panel or the remote control for virtually any turntable and cartridge.

In addition to the Pure Phono input the № 585.5 provides four analogue inputs, and six digital inputs, including asynchronous USB, optical, coaxial, and AES/EBU (XLR), to accommodate a wide variety of digital music sources, including 32-bit/192kHz PCM, as well as native DSD and DSD over PCM via USB. The № 585.5 also incorporates exclusive HARMAN Clari-Fi music restoration technology, which employs proprietary signal-enhancement techniques.

The № 585.5 also provides a subwoofer output with a selectable 80Hz high-pass filter for use in a properly implemented 2.1-channel system, and includes Ethernet, RS-232, IR and 12V trigger ports to facilitate its use in audio/video installations with integrated systems control. These features are also found in the № 585.

Its high-current Class AB power amplifiers and analogue circuitry utilise a 900VA custom toroidal transformer, and a dedicated SMPS power supply operates all the digital circuitry. Like the № 585, the № 585.5 deliv-





chassis and housed in its own mechanically isolated enclosure. A triple belt drive system is used as opposed to the more common one belt design. A custom-designed, low-distortion analog oscillator and discrete, class AB power amplifier power the syn-

ers 200 watts per channel into 8 ohms, and 350 watts into 4 ohms.

The № 585.5 Integrated Amplifier with Pure Phono module will b \$16,000. The № 585 remains at its existing price point of \$12,000

Mark Levinson also showcased the № 515 Turntable that has been designed and built in partnership with VPI Industries.

The № 515 is based on a highly damped vinyl-wrapped MDF and aluminum sandwich main chassis. The chassis is supported by machined Delrin and Aluminium Mark Levinson feet with a vibration-damping polymer core. The 20-pound Aluminum platter rotates on an inverted bearing, which employs a hardened stainless steel shaft spinning in a phosphor bronze bushing.

The AC synchronous motor is mounted to a separate vinyl-MDF-Aluminum sandwich

chronous motor for accurate 33 and 45 RPM operation.

The № 515 features a gimbal-mounted, 3Dprinted tonearm with integral headshell, stainless steel counterweight, and discrete internal cartridge lead routing. The tonearm is mounted to a rigid, machined Aluminium arm base featuring on-the-fly adjustable vertical tracking angle.

The № 515 turntable will be available either with or without a factory installed moving coil phono cartridge.

The № 515 turntable will be available from authorised Mark Levinson dealers worldwide in Summer 2017. Pricing starts at \$10,000 for the version without phono cartridge.

We had a listen to the whole lot through a pair of JBL speakers and it was brilliantly dynamic even in less than ideal surroundings.



Goldmund Announce New Amps and Pres

Goldmund used the High End show to highlight their new generation of analogue products and we popped along to meet Michel Reverchon for a glass of fizz and a bit of a chat. "They represent a milestone in the way amplifiers and preamplifiers are designed while they continue capitalising on the expertise Goldmund has developed over almost 40 years of research and development".

"This explains that their names remain the traditional "Telos" or "Mimesis", followed by the number of the previous series and the addition of the "NextGen" label to clearly differentiate them. The Telos 1000 NextGen, the Telos 2500 NextGen (below) and Mimesis 22 NextGen (second below) are thus our latest and extremely high-end products that perpetuate the Goldmund audiophile lines and tradition".

It all started with the creation of the new Telos 5500 that was designed to exceed the quality of the most powerful amplifier ever created by the brand: the Telos 5000. This new version was re-designed with many major technical improvements including its power supply that makes it more powerful than its predecessor. Its input stage is also com-



pletely different with both Analogue (RCA+XLR) and Digital (RCA) inputs as standard. The input circuit was also enhanced to allow silent switching and guarantee the stability when input mode and level are changed. The amplifier security has been "considerably perfected" in order to protect precious drivers from the extreme power the

amplifier can deliver.

Goldmund say that the results were so striking that they decided to apply all these enhancements to their other top analogue amplifiers too. The Telos 1000 NextGen and 2500 NextGen borrow their power amplifier boards from the Telos 5500 and from the most powerful Goldmund speakers like the Apologue Anniversary by using the same circuit-board, the Goldmund 6209H. Both amplifiers come with a better input board in digital, better thermal grounding, and increased power for The Telos 2500 NextGen with its new 80 000 microfarad PSU power bank.

Monitor Audio's New Silver series Loudspeakers



Last but not least we dashed over to the packed Monitor Audio stand to hear about the company's Silver series of which there was loads of models to suit pretty much any AV or two channel system. This stand was pretty packed and getting shots of the actual product somewhat difficult!

The range includes a couple of bookshelf models, three floorstanders, a couple of centre channel speakers, rear speakers and a sub-woofer.

The new Silver series uses technological advances from the top-of-the-range Platinum Series II and have a completely redesigned 25 mm Gold Dome tweeter and come in a wide range of finishes in real wood veneer, piano lacquer and contemporary Satin White finishes.

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0058

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One obstacle preventing any hifi achieve its true performance level is RFI, EMI and noise on the signal ground, which can all subtly modulate and degrade the noise level of the system. Even the equipment itself can contribute to the problem, especially the PCs, routers, and NAS drives now typically part of an audio system. The new Grun Coherent Earthing System addresses these issues by providing an 'independent' earth for users of Mavros and Asimi Ultra interconnects with flexible Grun adapter options.





Bird's Eye View Of High End Munich 2017 – The Year Hifi Got Sexy And Fun

Linette Smith gives her views on this year's High End in Munich and picks out some of her highlights

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We have been making the pilgrimage to High End Munich for five years now. It is, quite simply, the greatest Hifi Show on earth. I love meeting people from all over the world, catching up with old friends and meeting new ones, this year I lost track of the number of people who grabbed us saying 'I know you from Facebook!' and it was brilliant to meet people that we knew 'virtually' in the flesh. High End Munich is one of those shows that can overwhelm you with it's immensity. It's quite tricky to explain just how big a show it is...it's a beast! Every year has been incredible, but this year it just went up another level. It's kind of crazy, but just when you think the best can't get any better, it does, and this year High End turned it up to 11.

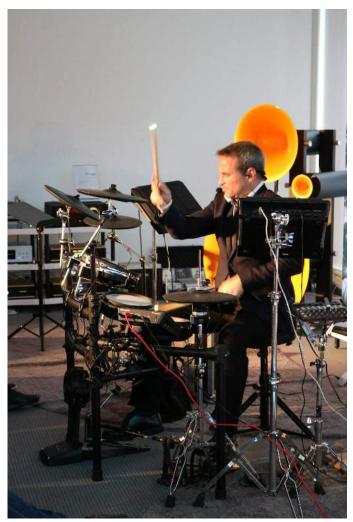
So what was it about this year's High End that made it so special? There was an energy about it, it was exciting, it was fun and it was sexy. Let's back up a bit here...Hifi has long had an image of being 'Audiophile', of being the realm of either lonely guys that looked like they crept out from under a rock, or corporate companies that just see it as a marketing exercise to promote their products. Neither of those things are particularly fun or sexy. Hifi is about music and music is fun and sexy. In recent years there are more young people getting into hifi, there are more women getting into it and there are more and more younger people and women in the industry. People don't want boring and dusty products, they want the gear to be sexy and desirable, they want it to make them feel special, from seeing it at a show to actually buying it and using it at home. The Hifi industry has 'wised up' to this and this year saw the perfect balance of gorgeous, stylish hifi gear, backed up with the technology and the know-how and many years of experience of making great hifi.

Let me give you an example. Take Gold Note, admittedly they are Italian so they kind of have an unfair advantage in the 'being sexy and fun' thing. Coming from a sunny place renowned for art, food, wine and cars with curves like supermodels does give you a head start. What Gold Note are doing is producing high end, serious hifi (we use their 5000€ Tuscany Red MC cartridge in our reference system) but far from being boring and elitist, they make their products desirable. The gorgeous black electronics, undulating speakers and stunning turntables that they had on show at High End Munich were things that you wanted to own even before you heard them. Tommaso and the team were stylish and enthusiastic, and they have their branding totally on point, without being boring and corporate.



Avantgarde Acoustic have been making very sexy speakers for a long time. We own their Duo XDs and can tell you they are some of the best looking and sounding loudspeakers around. However far from

being all hoity-toity about it, Holger and Beate and their team want to have fun. So they show their horns in bright, eye-catching colours, play a wide variety of music from pop, to classical and even some kitsch German yodelling folk music and then have a party. We walked in to their huge and packed room on Sunday to be treated to a live performance by Oded Kafri who leapt around playing drums and being very entertaining. It was brilliant, energetic and just so much fun, truly excellent!



If you were at the show, chances are you spotted our pink, Hifi Pig and VPI slipmats that we were handing out to people at the show. Mark Levinson unveiled their N°515 turntable (their first) created in partnership with VPI so it was only fitting that we got a shot of it sporting the VPI mat while we were at their press conference!



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Muraudio deserve a special mention. Thursday was an exhausting day. We had a lot of meetings and a lot of press events and it was very, very hot. How people on the top floor didn't actually cook I don't know! We popped into Muraudio's booth to have a listen to their omnidirectional hybrid electrostatic loudspeakers. These are really speakers that you could live with. Omni speakers seem to be the modern way to do hifi, how often do you really have time to sit in the sweet spot, having omnis means you can get on with doing what you have to and still get great sounds. We had a welcome chill out in a nice cool room listening to Daft Punk through the Muraudio speakers and Moon electronics.



Dynaudio always have a very stylish room. Chatting to Kala, she told me that their philosophy is always to focus on the music. Their blackall-over room provided the perfect backdrop to their loudspeakers including their lovely new Special 40 anniversary speakers. Even the standmount speakers packed a punch in their huge room when we heard them at the press launch on Thursday.



I've been very impressed by the AVM and PMC German/British alliance. PMC are now distributing them in the UK and the two brands work well together. AVM are uber cool and produce gorgeous audiophile products that are objects of desire. Their move to all in one boxes that stream music, play cds and make your cup of tea (joking) is really delivering what modern audiophiles want and their new AVM30 range is making it more affordable too. PMC's Pro-audio heritage just reinforces that they know what they are doing, both with their speakers and their new Cor amp. Together the two brands sound and look great.



Living Voice are very much the epitome of High End. Their room always sounds great, and so it should with them making loudspeakers that cost hundreds of thousands of pounds and matching them with electronics from the likes of Kondo which cost similar. However this year, and we were not the only ones to notice, their room was totally singing. The Vox Palladian system was visually beautiful, the sound had gone up to another level, from a level that seemed impossible to improve on from last year, it was totally captivating. Plus Kevin put on some dub for us, just showing that High End people don't just play classical on their very expensive systems....thanks for the experience guys!



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Leema Acoustics from Wales were in a playful mood at the show, their booth was nice and chilled with their stylish and affordable gear plus plenty of guitars and of course, Shadwell the sheep on guard outside!



Aires Cerat was a very funky booth, someone had told us that it made them weep because it sounded so amazing, so we were really looking forward to it, they did not disappoint. One of the best sounding rooms we went in, we thought the sound was beautiful with an Enrico Datti turntable and Tellurium Q cables.

Volya introduced us to the Bouquet loudspeakers last year, with their beautiful Ukrainian folk art finish. This year it was the No Limit speakers, which looked like a huge pair of drivers, they sounded excellent too and certainly made an impact. Probably not as beautiful looking as the Bouquet but Volya had a team of very attractive ladies on hand inviting the public in to their booth to listen.



Pro-ject have really got it right. Their fun and funky turntables appeal to traditional audiophiles and that new, younger generation of audiophiles alike. With vinyl still being insanely popular (and getting more so) they have turntables for every level and pocket. As usual at High End Munich they had a spread of turntables in Hall 3 which were attracting a lot of attention.



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You really can't get more fun and funky than Kostas Metaxas's Metaxas & Sins brand. His Marquis headphone amplifier was being used on a lot of headfi stands and he had his new speakers on show. Kostas is really putting the fun back into hifi and he has plenty of cheeky ideas planned for the future.



When you get a room full of gear designed mainly by women then you get a cool and sexy room. Manger never disappoints and always gives a cool and coordinated room which is an oasis of calm. This year Daniella Manger partnered her speakers with Ulla Scheu and her turntables, plus Mola Mola.



CAD were partnered with Boenicke again and this year The Chord Company who were making their Munich debut (no, I couldn't believe they had never exhibited before). Again, really cool and stylish products for modern audiophiles and a great sounding room.



You could be forgiven for thinking that there is nothing fun or sexy about transformers, however, Lundahl had a very funky and colourful stand that caught my eye!



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Goebel High End, who were partnered up with CH Precision and Kronos turntables, proved, just like Living Voice did, that extreme high end is not just for listening to the likes of Diana Krall on....they played punk music for the audience, which was really very cool indeed.





Of course we had a Women in Hifi meet up on the Saturday, there were 18 of us this time, some of course couldn't make it as it was a very busy show. It was great to catch up, have a chat and a beer and make some new connections with other women in the hifi industry.



So that is just a few of my highlights, my Bird's Eye View of High End Munich 2017. It was an exceptional show full of wonderful hifi and some fantastic experiences, most of all it was great fun! There is much more coverage to follow from us as we explore the rooms and halls of this year's High End!



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For music lovers who listen with their EARS not their eyes ACCESSION MC We don't do We don't eye candy do bling STEREO CA/FLAT BRITISH 0 AMERICAN MONO RIAA OUTPUT LEVEL phono preamp by GRAHAM SLEE What WE do is let your music sources communicate all the passion and excitment of the music you love GRAHAMSLEE GRAHAM SLEE VOLUME VOLUME PROPRIUS PROPRIUS

You don't notice the low distortion You don't notice the detail, dynamics, colour and naturalness You just FEEL the music



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Newcomers to High-End

Every year the High End Show introduces some newcomers to the Hifi Industry. Hifi Pig always has a chat with these exhibitors and does a feature on them as we think that the continual growth of the industry depends on new brands as well as our more well known names. Over the last five years that we have been attending the show we have seem new brands like PureAudioProject, with their open baffle loudspeakers, and Westminster Labs super-high-end electronics go from being 'Newcomers' to established brands

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First up this year was **B.audio** who come from near Strasbourg in Eastern France. Brothers Sebastien and Cedric Bermann, along with their designer, Olivier Hess, were presenting their designed and made in France B.dac and B.dpr. The B.dac is, unsurprisingly, a DAC whilst the B.dpr is an enhanced version that also features a preamplifier. Their products features their in-house technology called SJR "Source Jitter Removal", which they say "provides the best possible D/A conversion, from every source" They have spent the last ten years developing their product before unveiling to the audiophile world at High End Munich.

Their products have a very classy, minimal design which I immediately loved and feature a CNC - machined aluminium front panel with integrated ball-bearing mounted rotary knobs. A very simple looking less is more approach. B.audio are already working on their next products, the B.amp series.



Next we encountered **Betonart Audio** from Germany. Physicist Jörg Wähdel had some very attractive concrete loudspeakers that had a wonderful Bauhaus style to them, with a small selection of different models. Modern and minimal the concrete had a lovely tactile quality to it. He also presented an isolation platform that utilises a sandwich construction of concrete, microquartz and wood with sorbothane feet.





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Stacore are a Polish brand who make anti-vibration platforms. We encountered them in one of the best rooms at last year's High End Munich, so it was good to see them getting to exhibit in their own right. Available in Basic and Advanced versions they are made from Italian slate and fill with air to work pneumatically. The Advanced version has a second stage, ball bearings, which they say "greatly improve the isolation efficiency for lateral vibrations, happening in the dimensions of the basis. In this way the so called full six-axis decoupling is achieved—the Holy Grail of vibration control".



We next met with Giorgio and Marco of **Fonica International** from Italy. It took a short while to dawn on me that what at first glance appeared to be some kind of room treatment panels, were actually loudspeakers. The speakers were incredible thin and very stylish and the guys told us this was because they feature isodynamic speaker technology: sound comes from a large surface area consisting of a thin, ultra-light membrane, moving evenly along the entire surface. By reacting to the impulse of a magnetic field, this membrane vibrates producing "pure sound with no distortion".

The result is a speaker that could unobtrusively grace any ultra-modern home, available in three sizes from tall floorstanders to desktop. They can also be customised with the image of your choice.



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The final newcomer was **Flux Hifi**. This German company were showcasing vinyl accessories, the main one that caught our eye was their Flux Sonic stylus cleaner. This little gadget is made in Germany and costs 149€. Flux told us: "The Flux-Sonic Stylus Cleaner is designed to gently, safely and quickly remove hardened dirt from the record player needle. Targeted vibration ensures residue-free cleaning. The stylus need not be removed for this purpose. The application is simple and works on every turntable. Flux-Sonic can be applied as often as desired. We recommend using it before each playback". They also gave us one to try for ourselves, so expect a review once the Munich madness has died down!



So, that was the Newcomers at **High End Munich** 2017...roll on High End Munich 2018 where we we hopefully see some of the Newcomers exhibiting again in the main exhibition areas!

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infuos ZENITH SPECIAL EDITION



A number of improvements were added for this exclusive 100 units Special Edition:

- New oversize, custom-wound audiophile toroidal transformer with 3 independent outputs
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- Three anti-vibration feet with asymmetrical positioning to better isolate vibration without affecting dynamics
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The Joy Of Decks -Turntables At High-End

Vinyl is everywhere right now and Munich was no exception. Here's a snapshot of some of the spinners that caught our eye at this year's show.

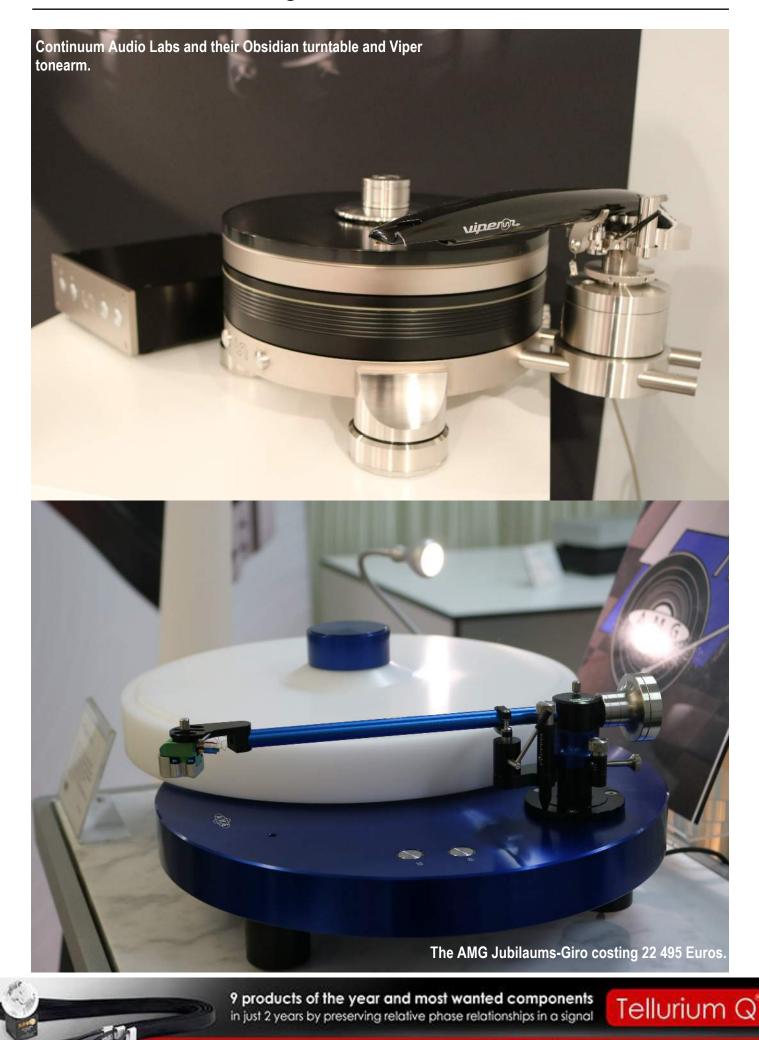
Of course some of these turntables are built with no expense being spared but that's not to say there weren't a good number of more affordable turntables too

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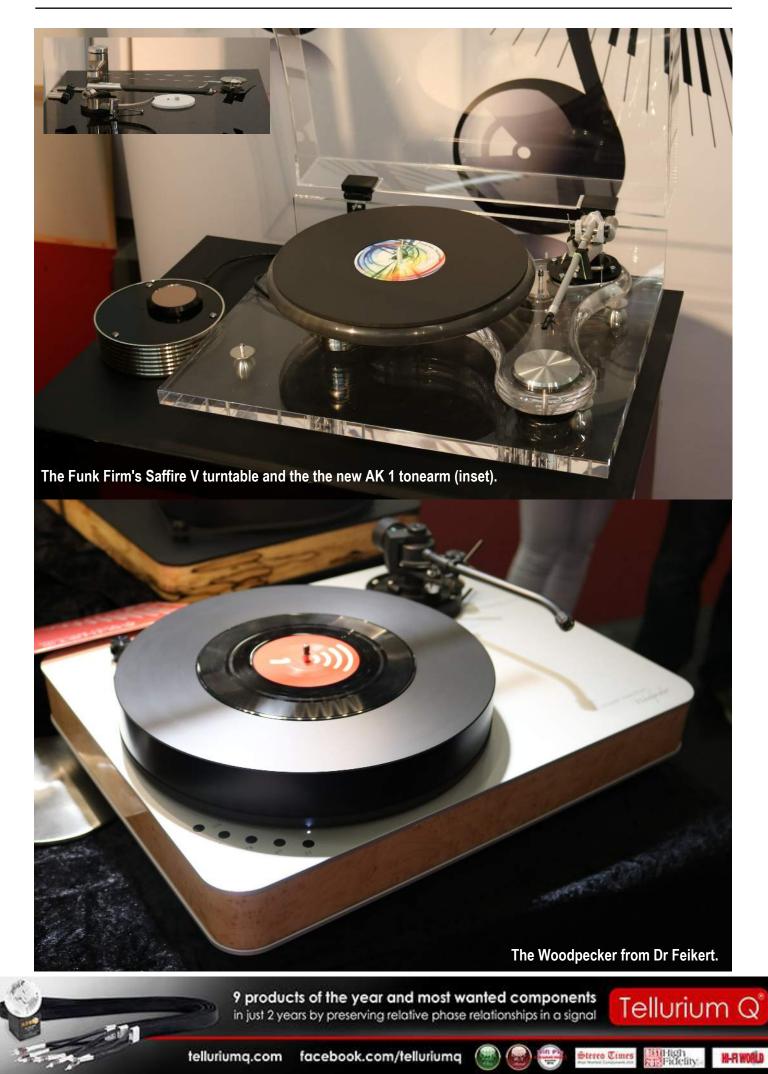


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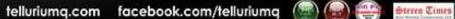
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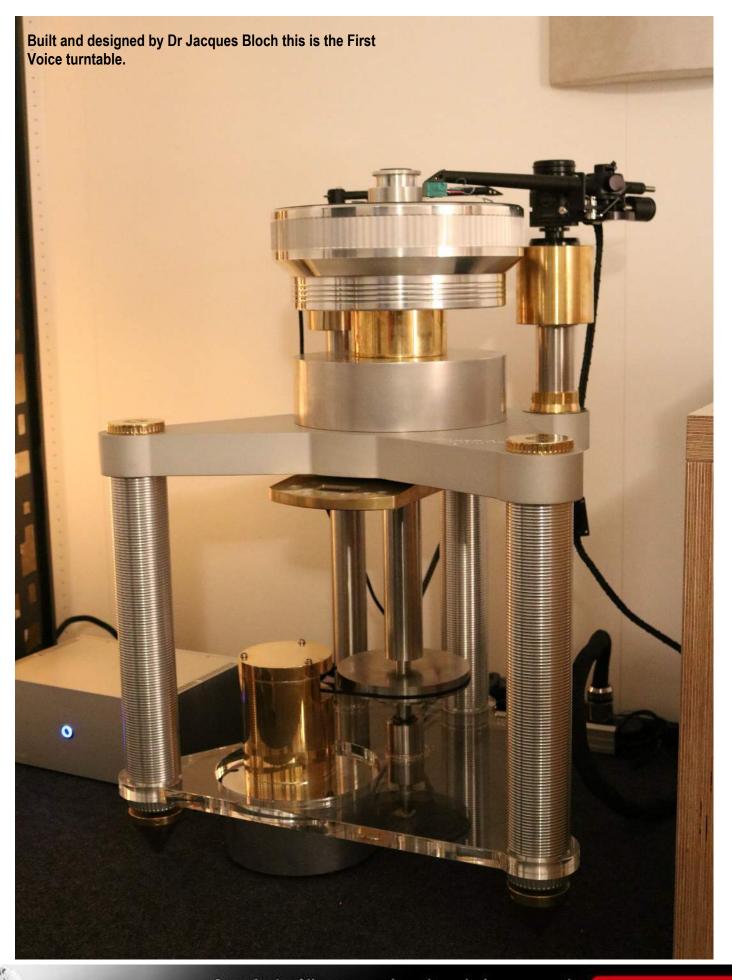


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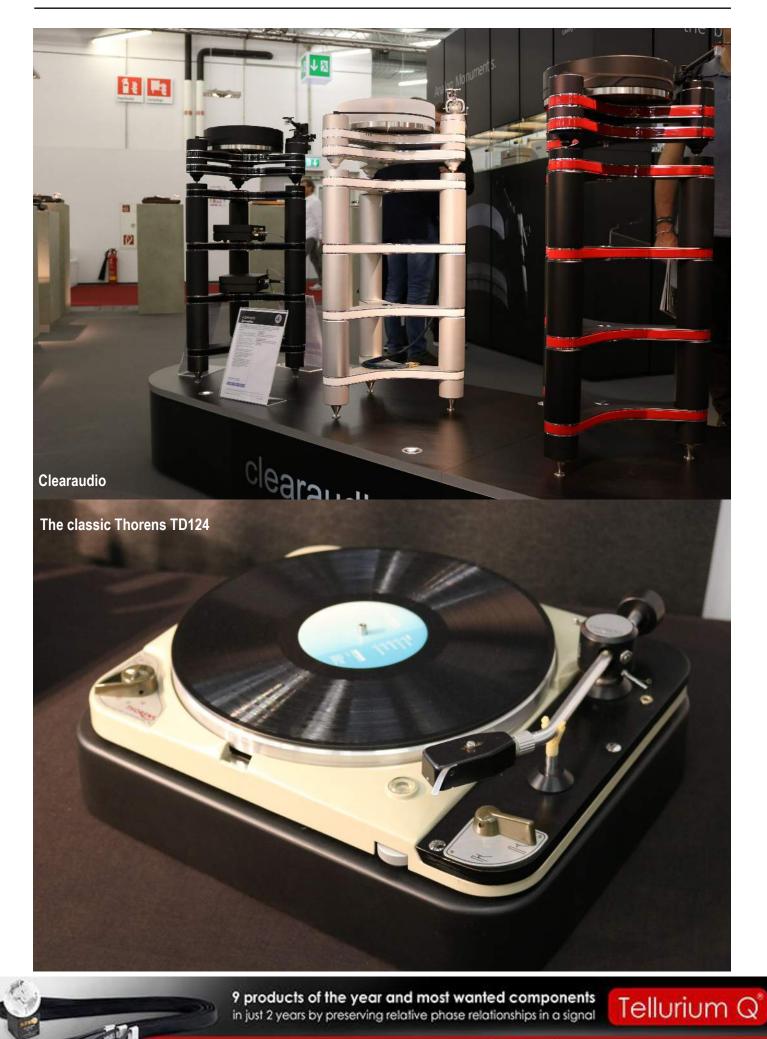
440 Audio turntables from Czechoslovakia and their G3 in glass which is an absolute work of art and, to my mind THE best looking turntable around today.

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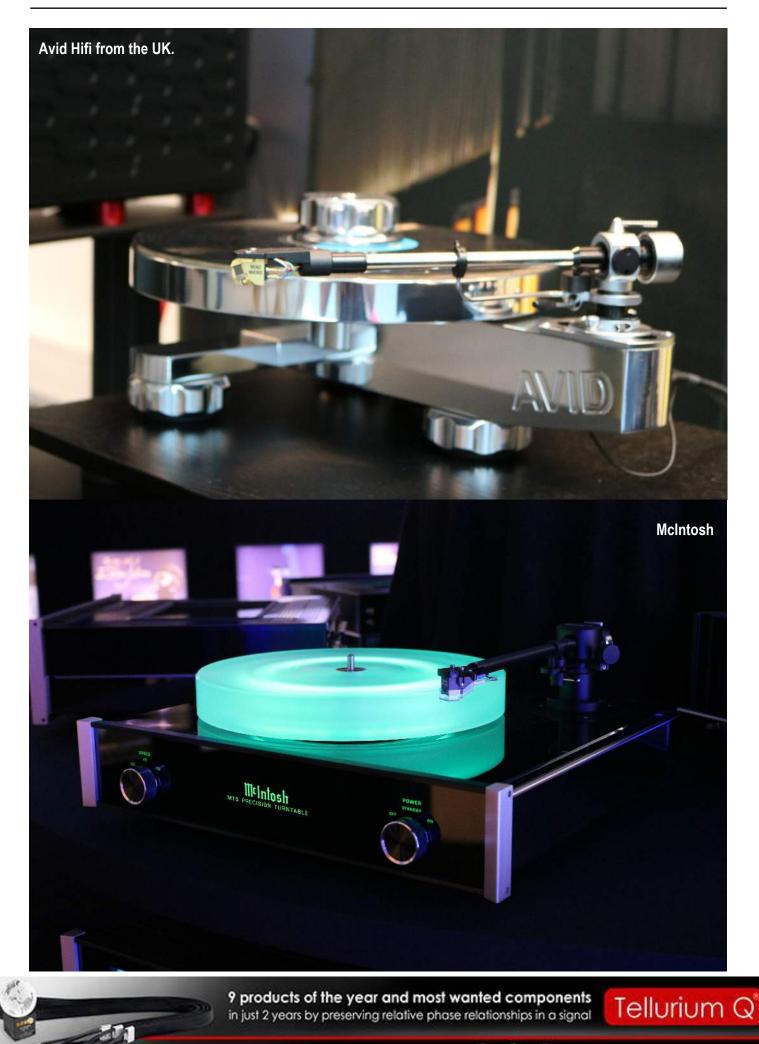
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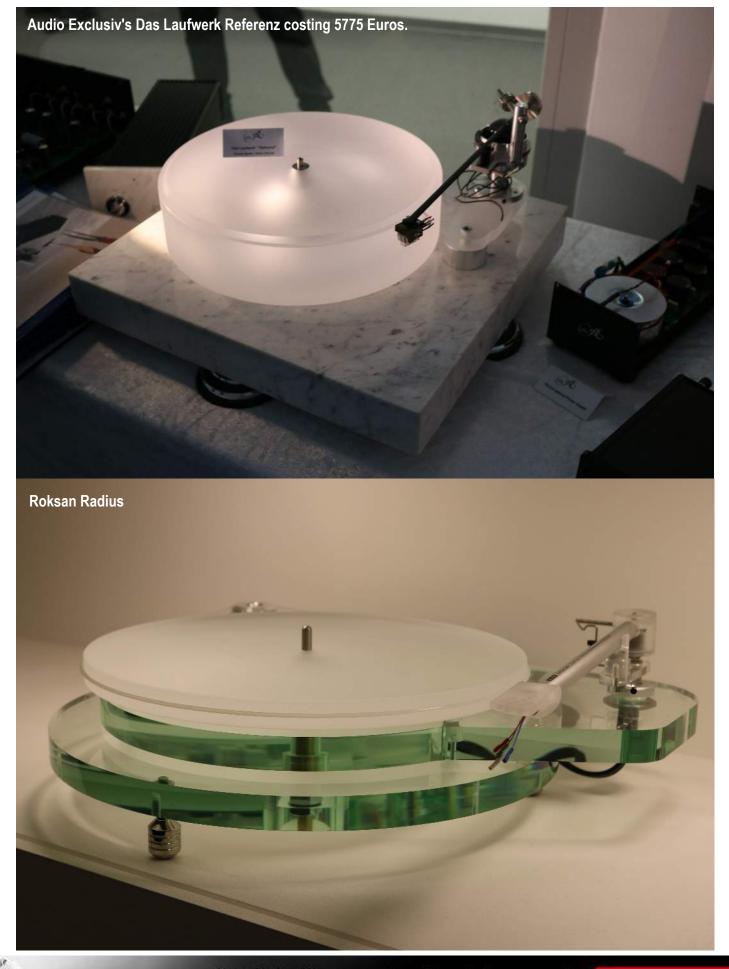


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A Walk Around The Show

There is so much to see and hear at High-End in Munich that it's pretty much impossible to get around the whole show and it's inevitable we will miss someone, but here's a whole load of photographs from the rooms and stands w visited that stood out for us

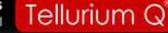
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One of the highlights of the High-End Show in Munich for both myself and Linette was this room that featured Audiobyte, Skogrand Cables, Rockna, Trafomatic and Tune Audio. The system as a whole was hugely dynamic and definitely in the top five rooms of the show and was on our shortlist for our Hifi Pig Loves You Award. The Tune Audio Avaton speakers are a three way design that is totally passive and driven here by the beautiful Trafomatic Elysium power amps that feature 2x 20B-V4 EML, 1x 5Z3 EML and 1x 250TL EIMAC tubes. Hifi on a huge scale both in terms of physical size and musical impact.

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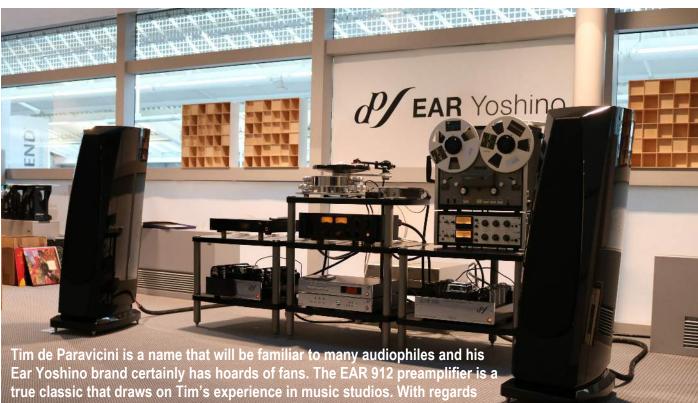


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the tape machine you see all there is to say is I want one. My only disappointment with this room was that I didn't get the chance to hear Lyn Stanley and her presentation on her one step vinyl LP edition where she compared it to her lacquer master discs.





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Munich High End wouldn't be Munich High End without a visit to the absolutely bonkers (but in a good way) Silbatone room. As well as their stunning electronics visitors to High End were treated to the Western Electric M2 featuring 2x 594A compression drivers and 2X TA-4181 18" woofers per side, all using field coil units. The multicell horn on top is the WE 26B. If you go to High End and miss this you should kick yourself!



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One of THE uber systems at this years High End was from Kondo and Kawero. The smaller system (below) sounded fab and was getting a LOT of attention from visitors to the show. The bigger system is many audiophiles' idea of the ultimate system and certainly price-wise it is up there with the most expensive available.

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the <u>Euphoria</u> and <u>Evolution</u> speakers here. I'd have loved to have seen and heard the Music First preamp in this room but it was sat outside the whole show. The Quadratic diffusor at the back is nothing if not impressive looking and it follows proven tech. Not in the room but pictured is the Vurtuoso loudspeaker from the Czech company. Thanks for the Slivovitz...i think.



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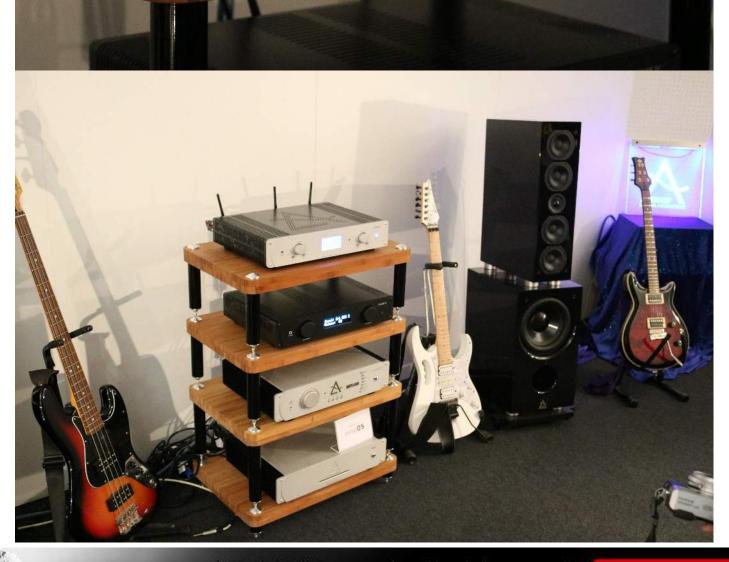
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We love companies that are serious about their products but don't take themselves too seriously and it was great to visit the Leema (from Wales) room where outside they had a sheep (not a live one) called Shadwell. The room was pretty cool too and they'd put a good deal of effort into kitting it out with some rather splendid guitars. At this year's show Leema introduced the Pulse IV amp, DAC and Bluetooth streamer.



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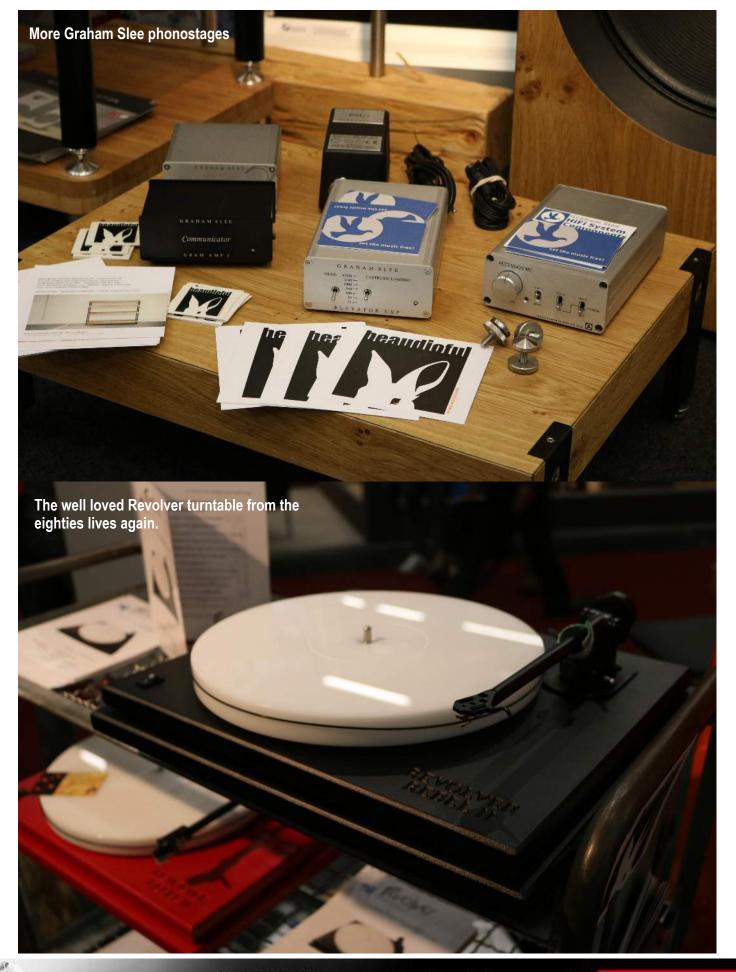
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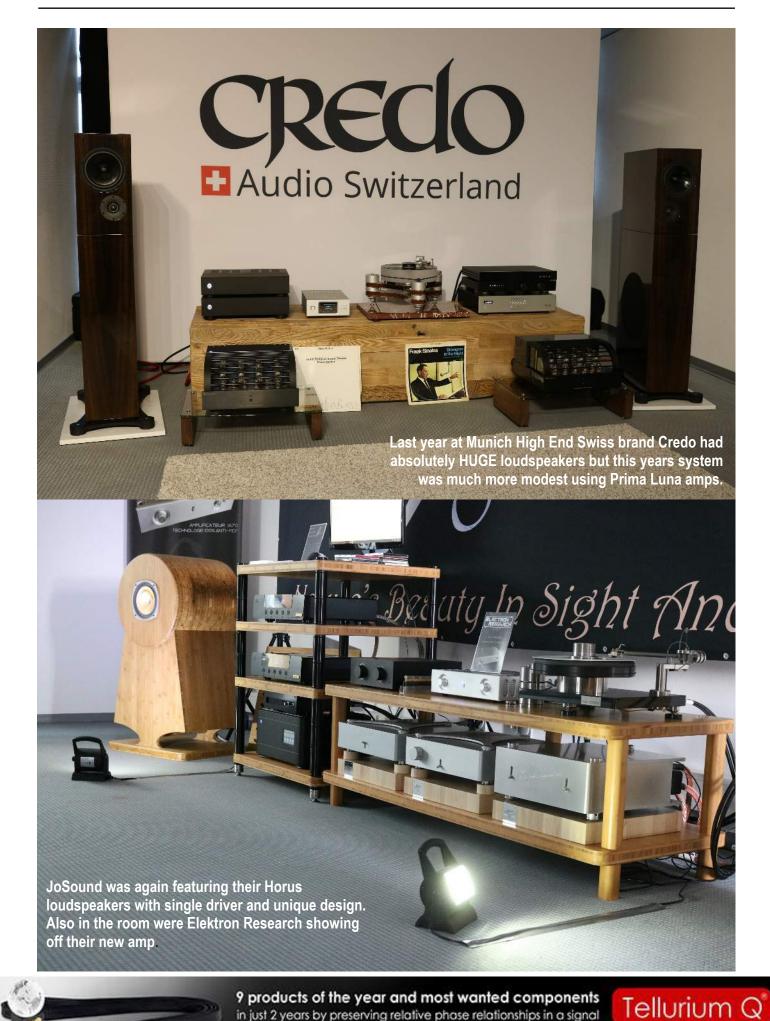


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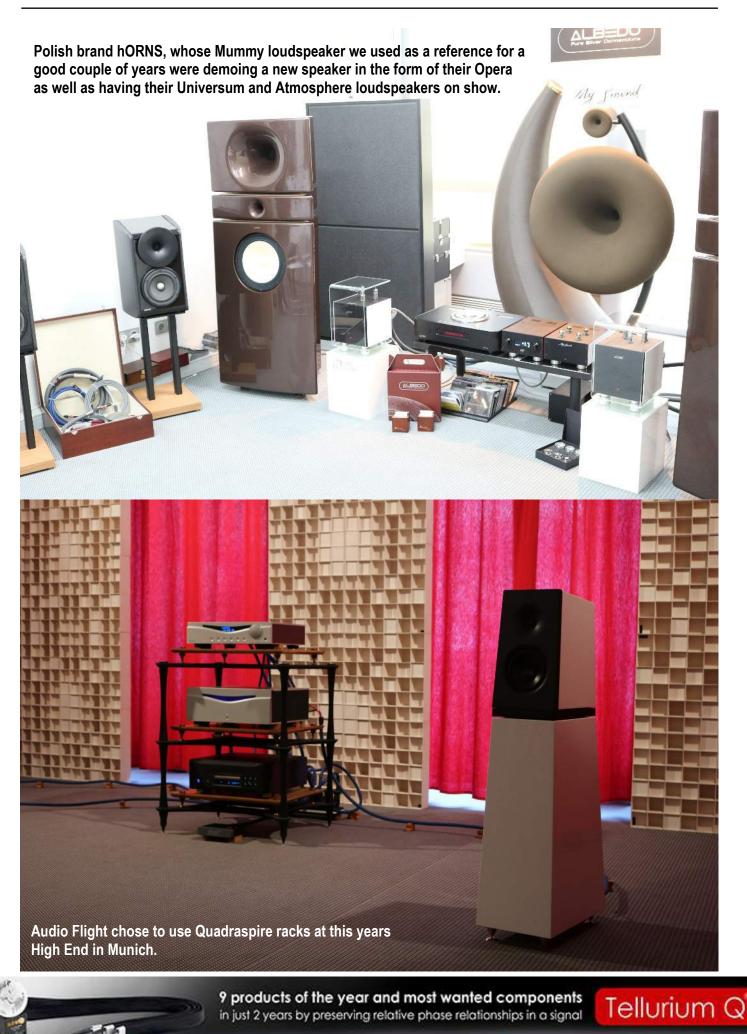


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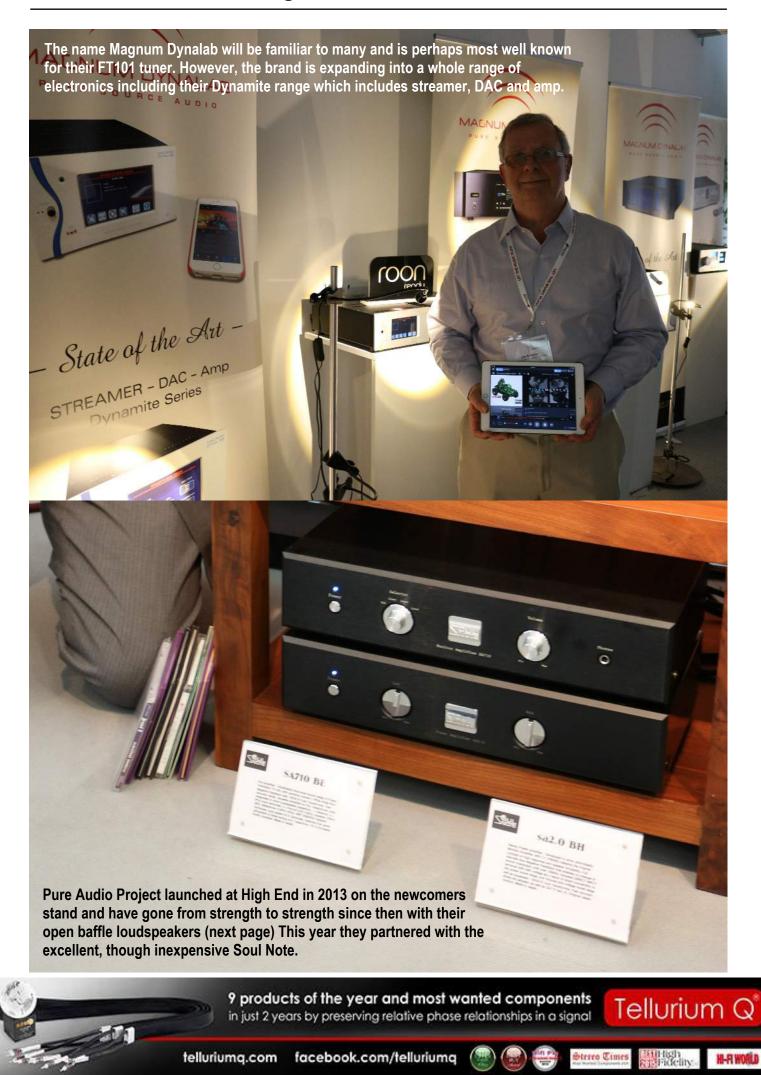
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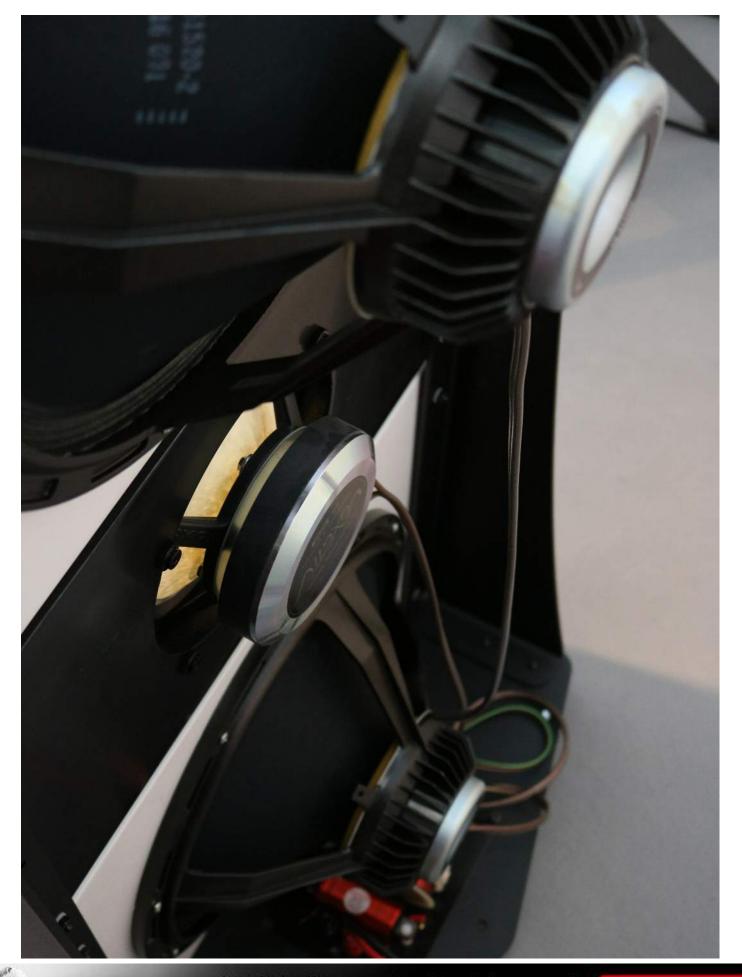


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Volya were massively pro-active at this year's show with lots of women inviting people into their room. Outside were the magnificent Bouquet speakers we reviewed a short while ago whilst inside their No Limits loudspeaker was hooked up and playing nicely. As well as their booth and in association with High End Society Service GmbH launched a charity auction where one lucky winner could win a pair of the No Limit speakers. Well done Volya!!!

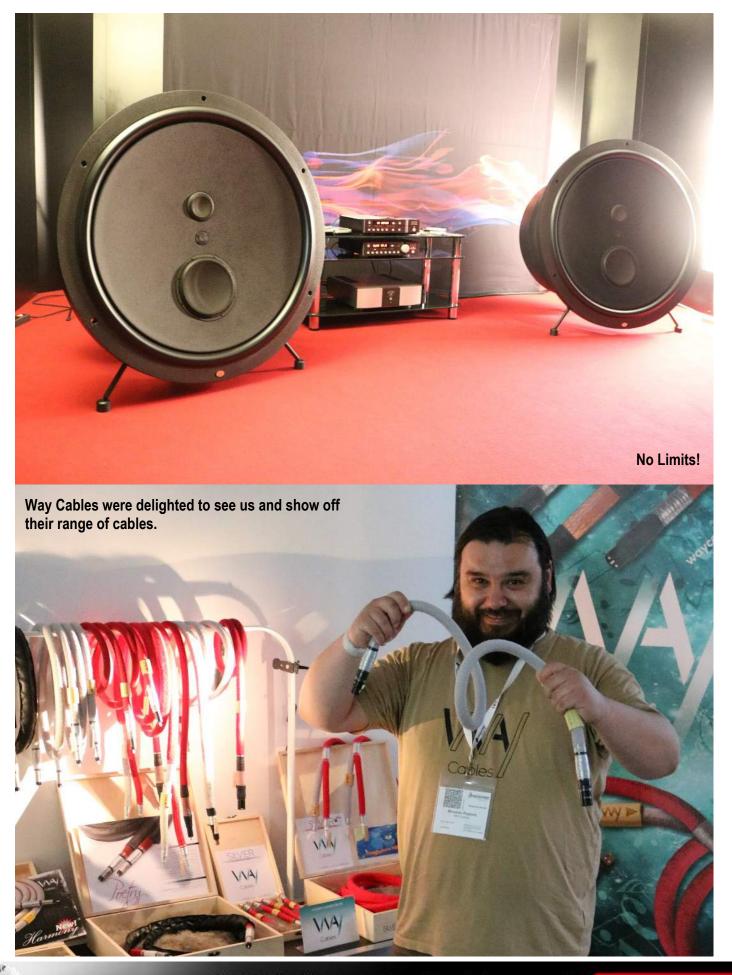


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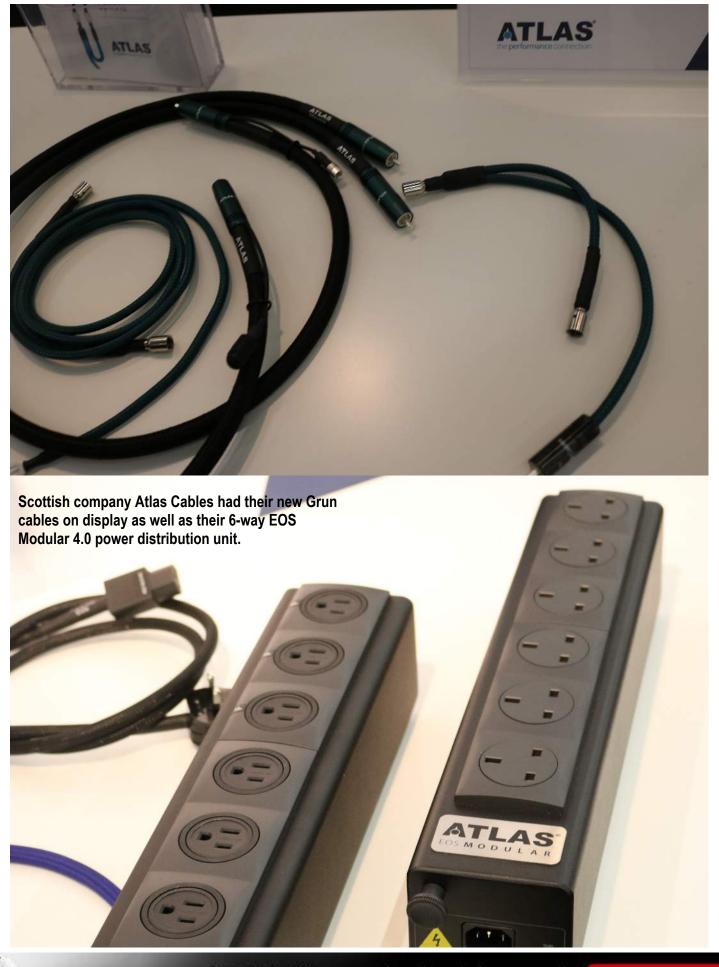


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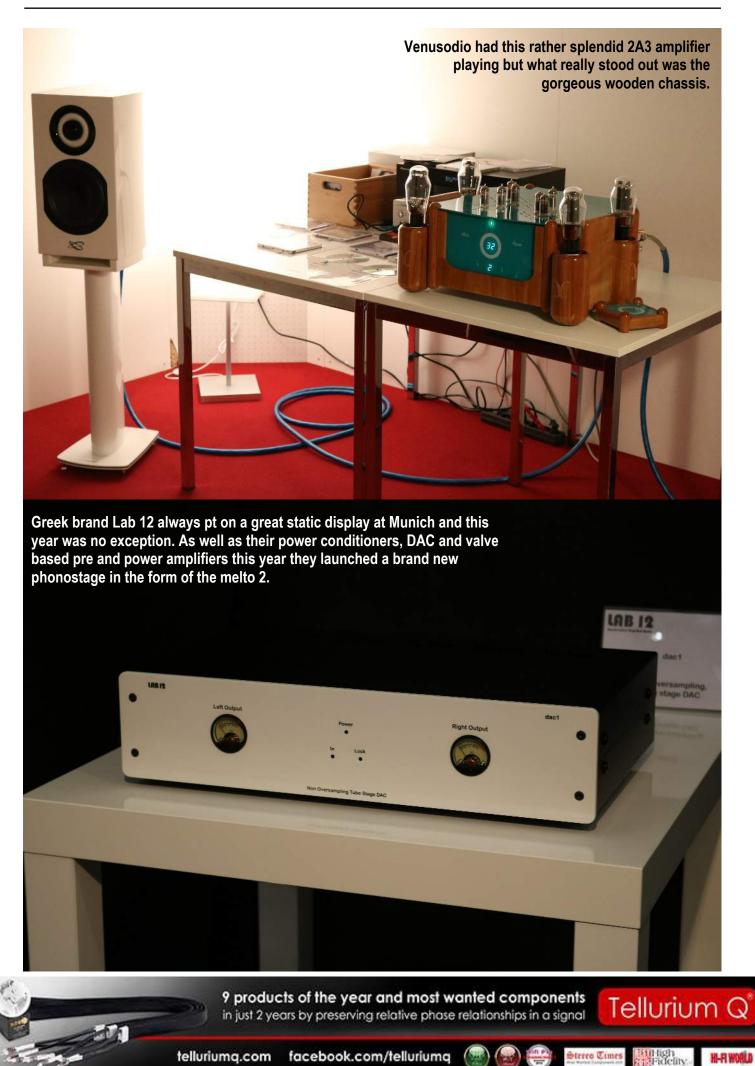
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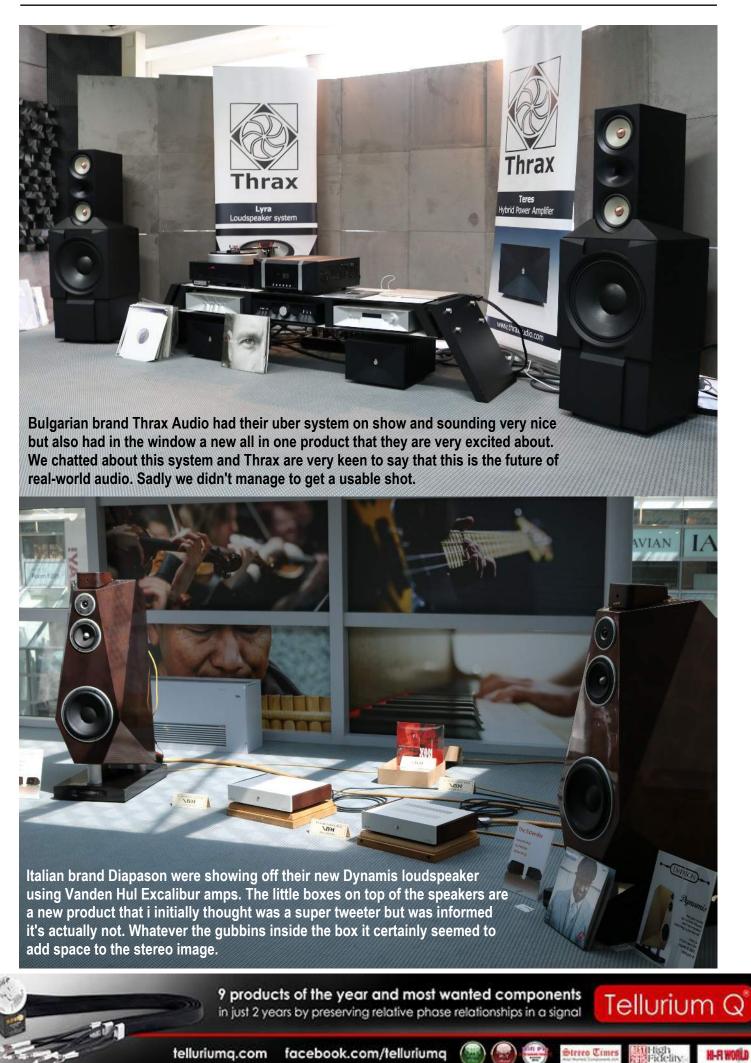


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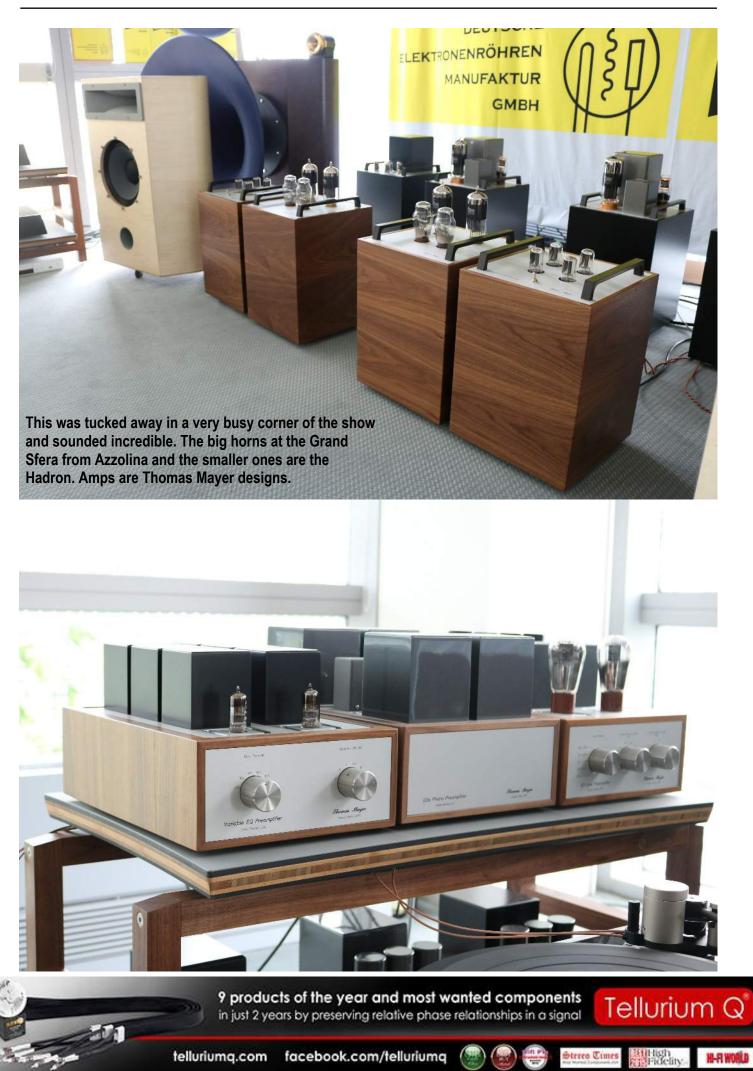
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Divaldi make headphone amps only with a difference; there Amp-01 also has a built in moving magnet phonostage. The products are Polish made and the steam punk version was visually one of the coolest things at this year's High End show. I had a quick listen and they do sound very good indeed

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Nico Memoli and his incredible looking Nime loudspeakers. Thanks for the wine, guys;)

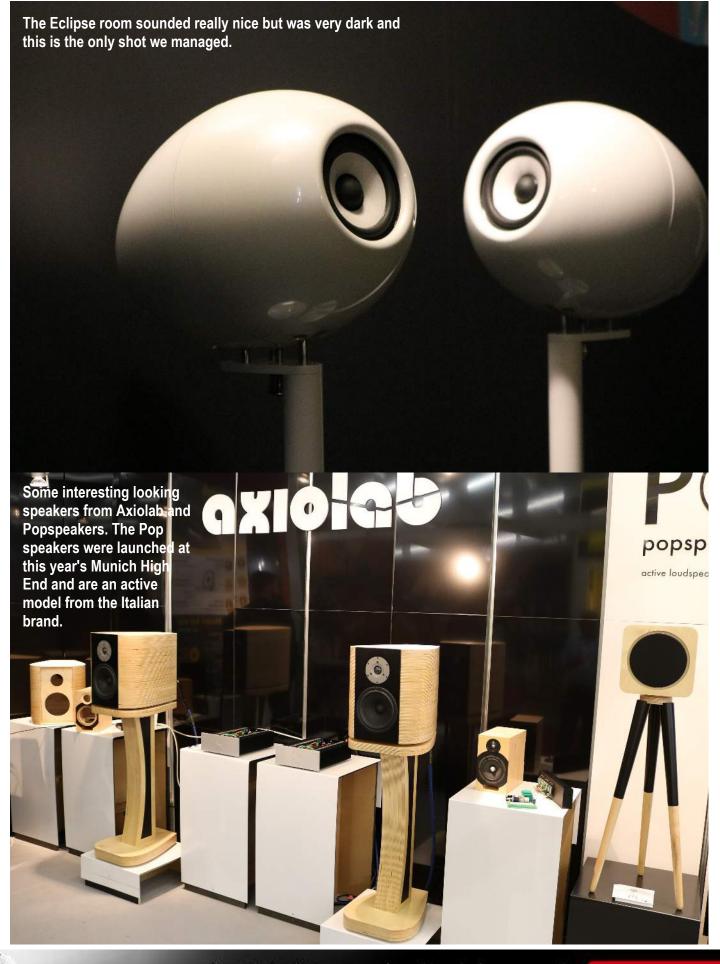


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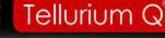


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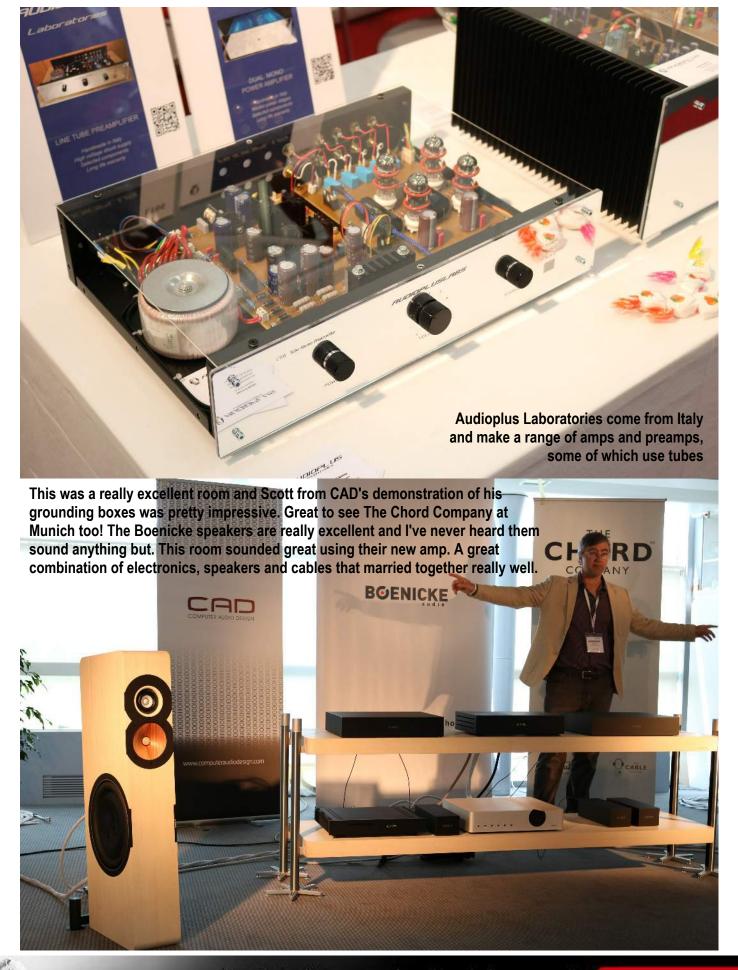


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TechDAS

This is a big money system featuring CH Precision electronics, Tech Das turntable and Vivid Giya G1 Spirit loudspeakers.

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> Kalista was born at the beginning of the 2000's in the workshop of a French Hifi handcrafter, the company Métronome Technologie, located in the countryside county of Tarn.Again completely made in France the Kalista CD player is a classic and sounded very nice indeed here at Munich High End. This CD player is definitely on the "must own" list.

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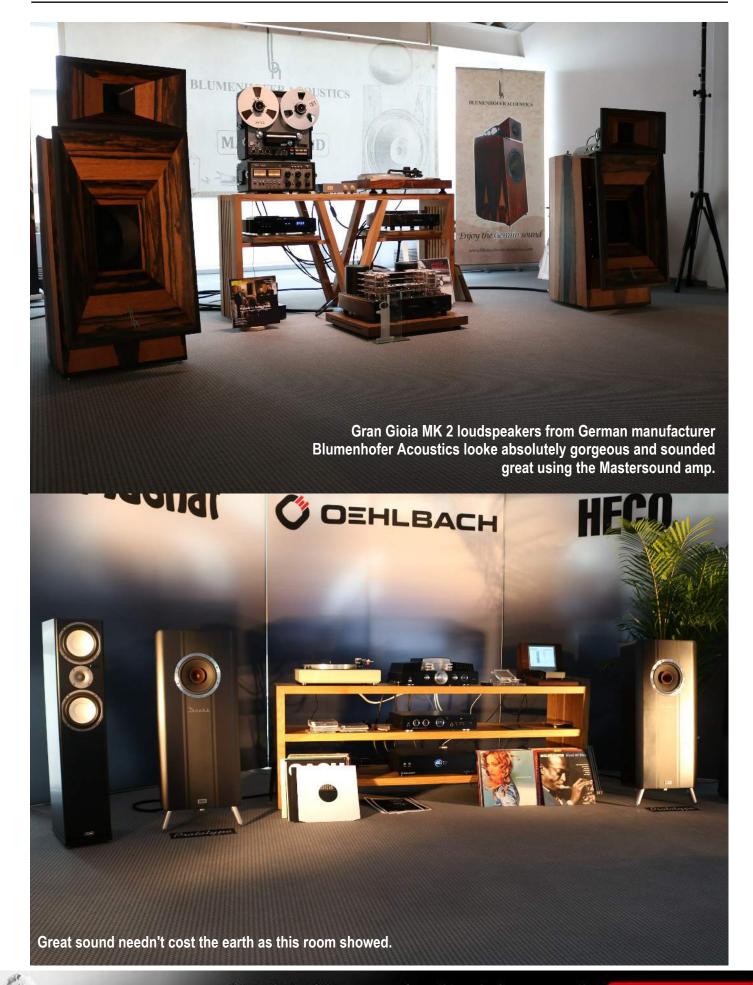
We like Portento Audio from Italy as they listen to suggestions. Cables appear to be well made and having used a pair of interconnects they perfom well too ... they wouldn't be in the TAD room otherwise. ORTENTO/



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Norbert Lehmann is a great character and he makes some fine products to boot. Latest out of this German company's factory is the Silver Cube phonstage. His wife Ulrike his wife is in charge of the innovative headphone gallery for neatly storing your cans.

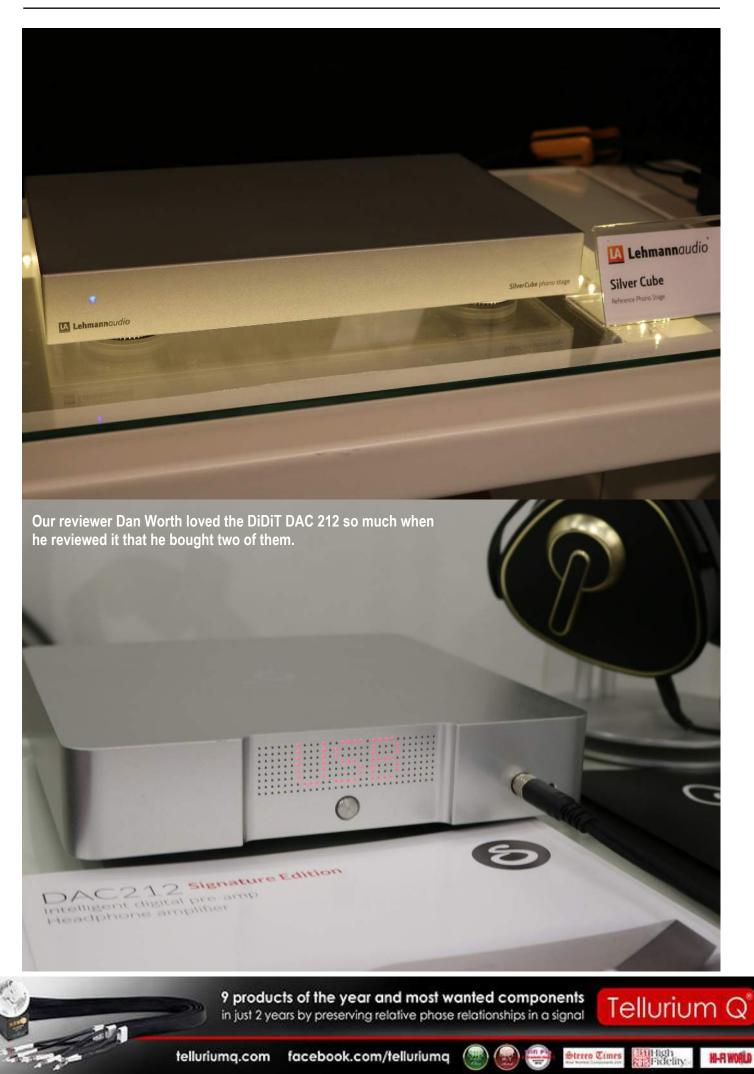
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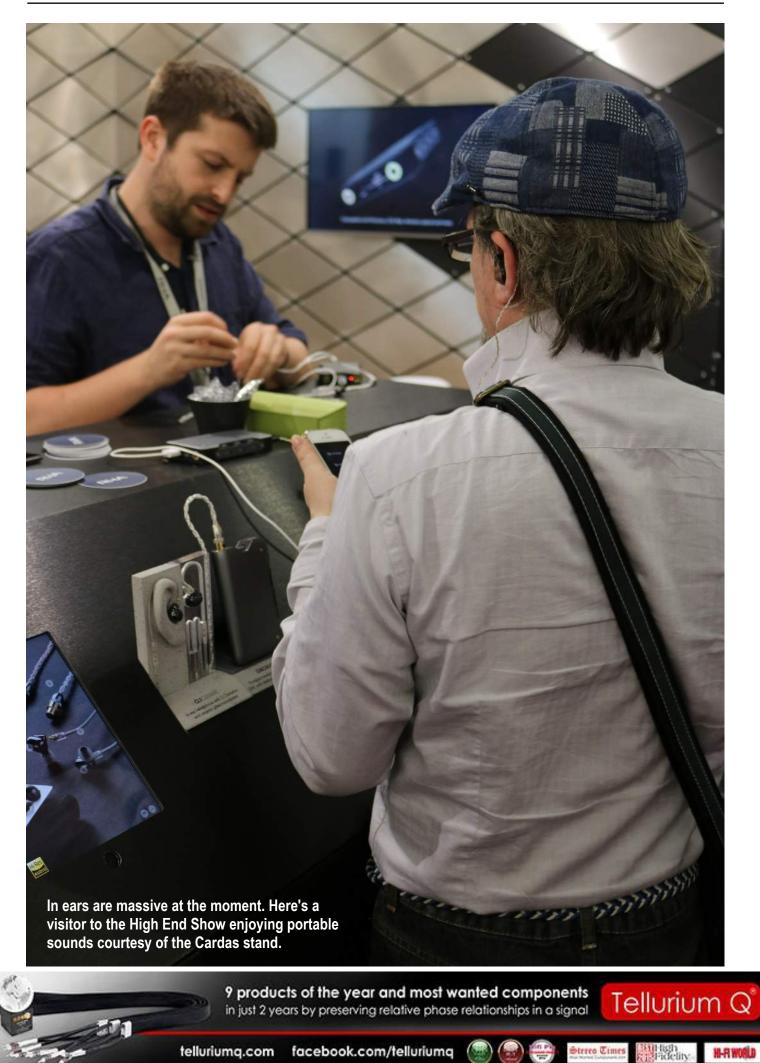
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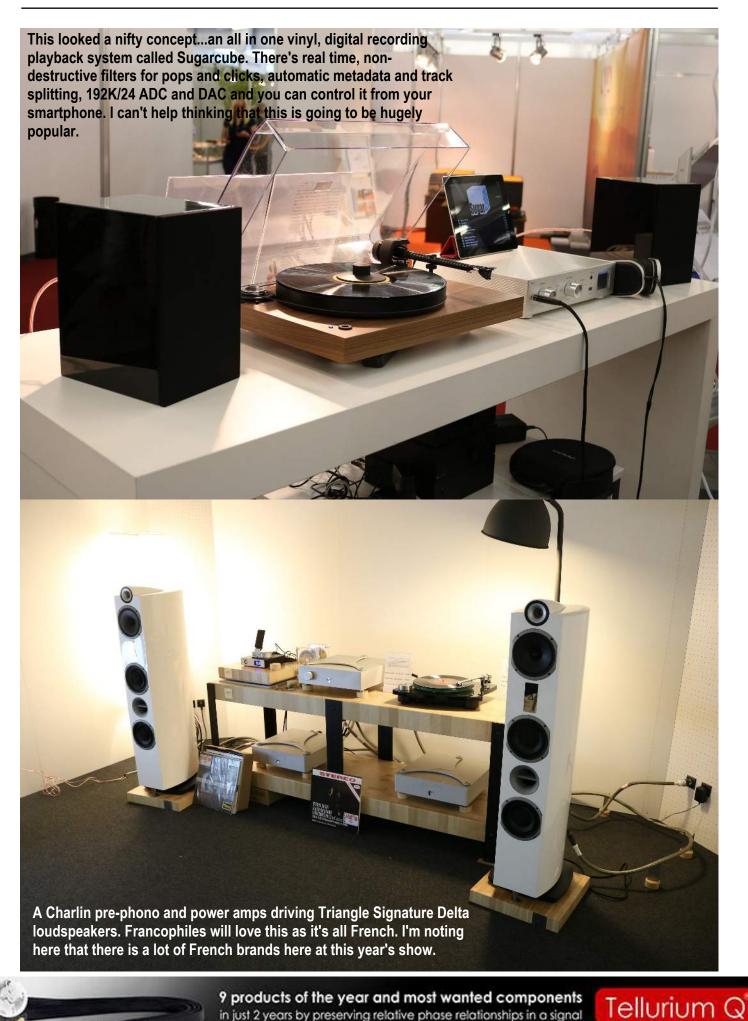


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Mutec make reclockers for the professional audio market but they are moving into home audio in a big way. Watch out for this name in serious computer audio systems.



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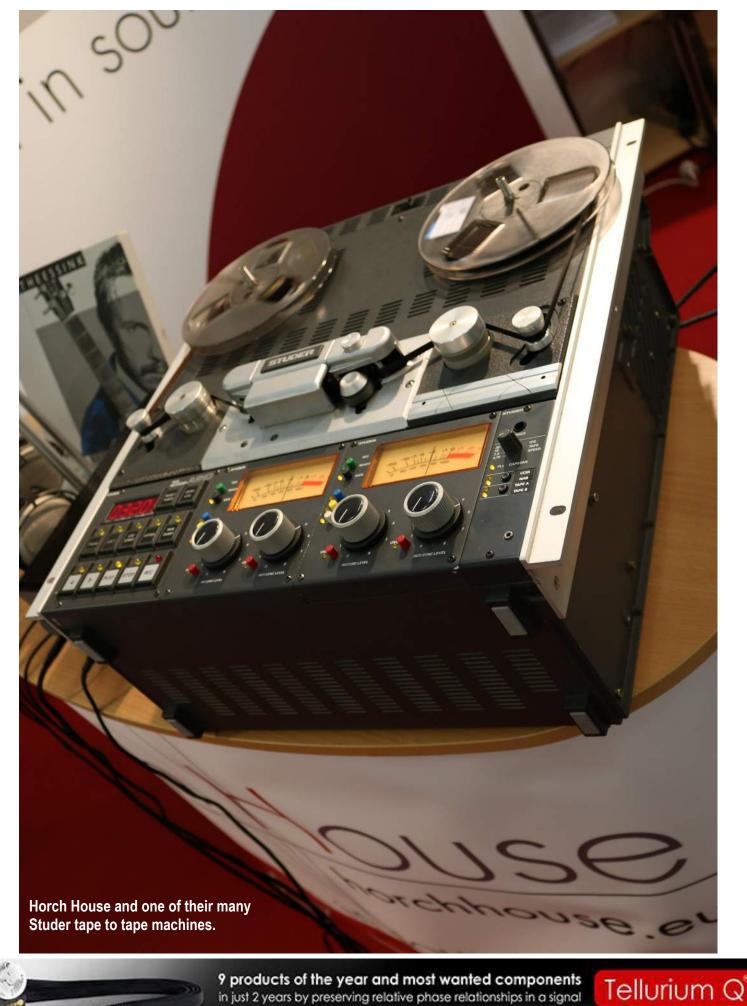
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KR Audio Kronzilla...the company makes the amps and the tubes to go in them. Awesome, even to look at!!!



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Mike Creek with the boards out of the KliA loudspeaker. Speaking with Mike he's certain this is going to be their product and I agree with him. The active speaker has a lot of benefits over its passive counterpart and is very versatile in modern homes. I have three or four sets of actives dotted around the house so looking forward to hearing these at some point.

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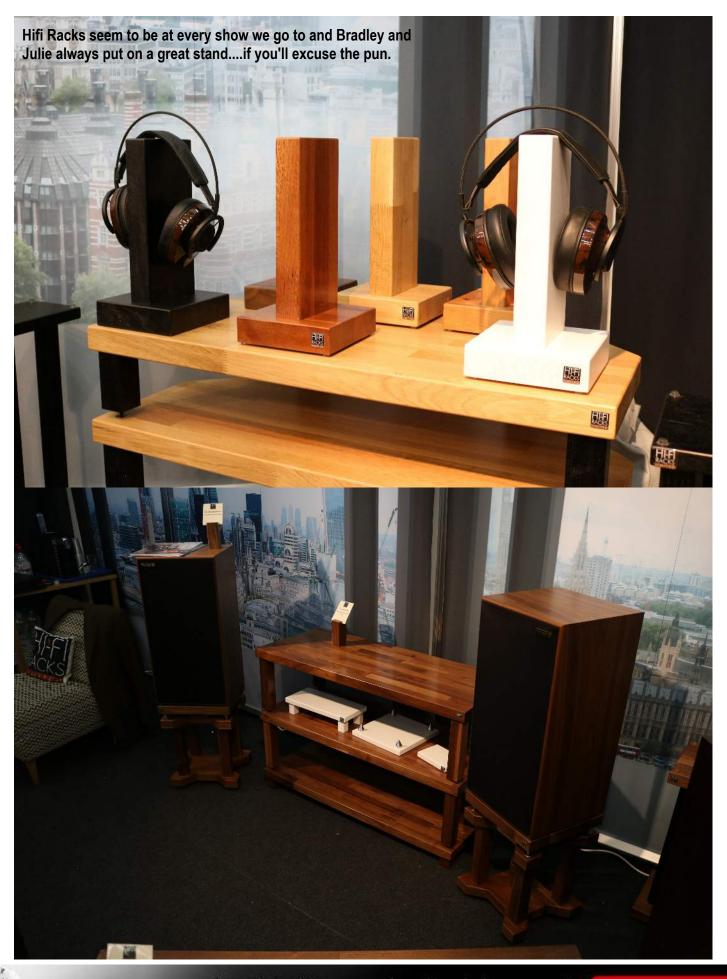
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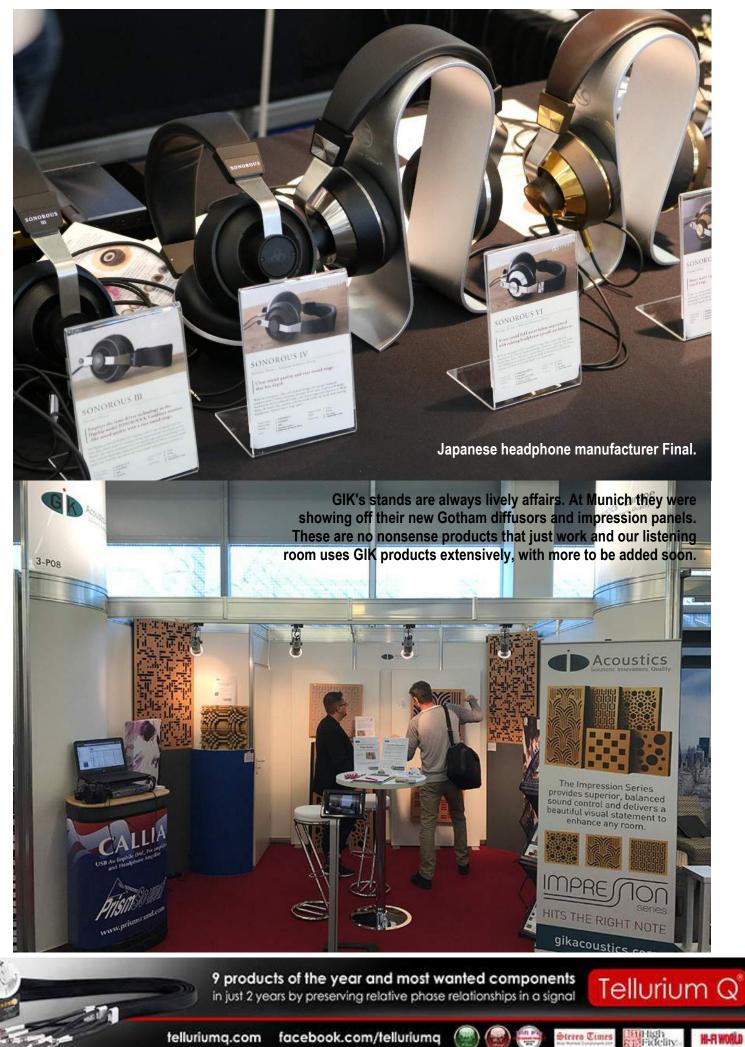
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A tasty looking Line Magnetic tube amp using the 845 valve. Line magnetic are an interesting company and make a whole range of amps, CD player and DAC but also some pretty interesting looking loudspeakers based on classic designs from the 50s.



Orpheus Lab electronics and Marten Coltrane 3s on what look like Townshend Seismic Platforms.

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Static display of Roksans looking classy.

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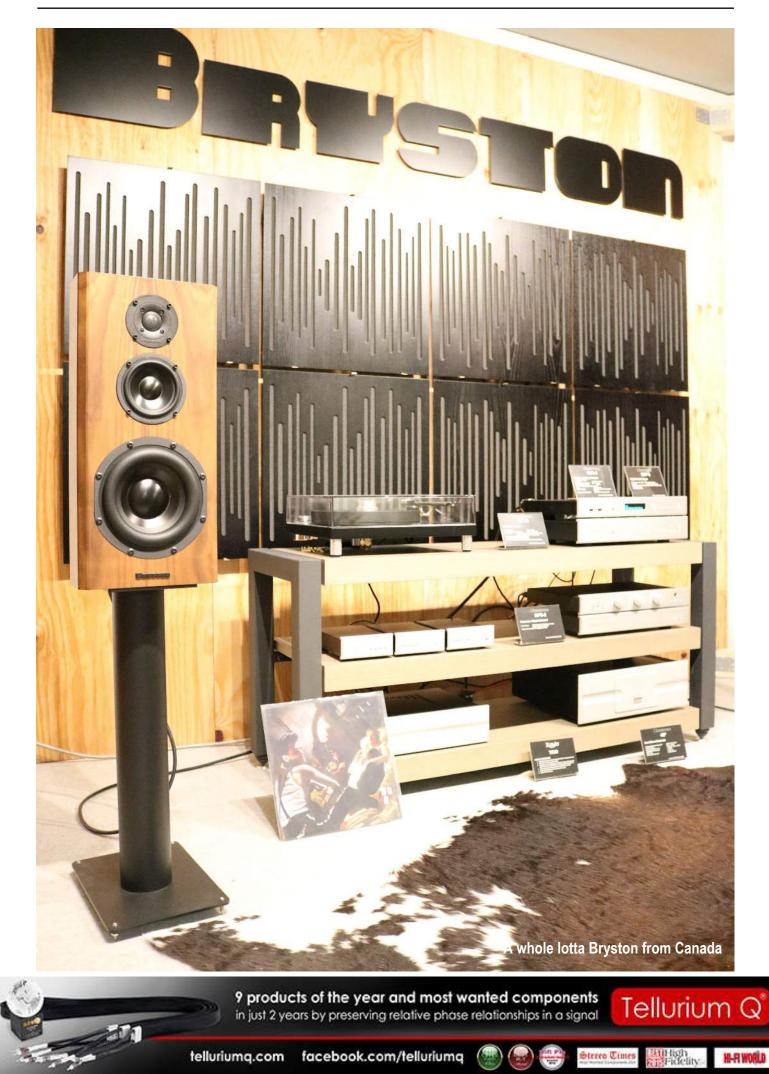


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Kostas Metaxas' Yorick seemed to be everywhere at this year's High End show. I absolutely love Kostas design and he kindly gave both Linette and myself one of his wonderful fountain pens. The design may not be every day conventional but personally it is this kind of design that dares to be different that will engage younger music lovers. His Macrophone speakers pictured are modular

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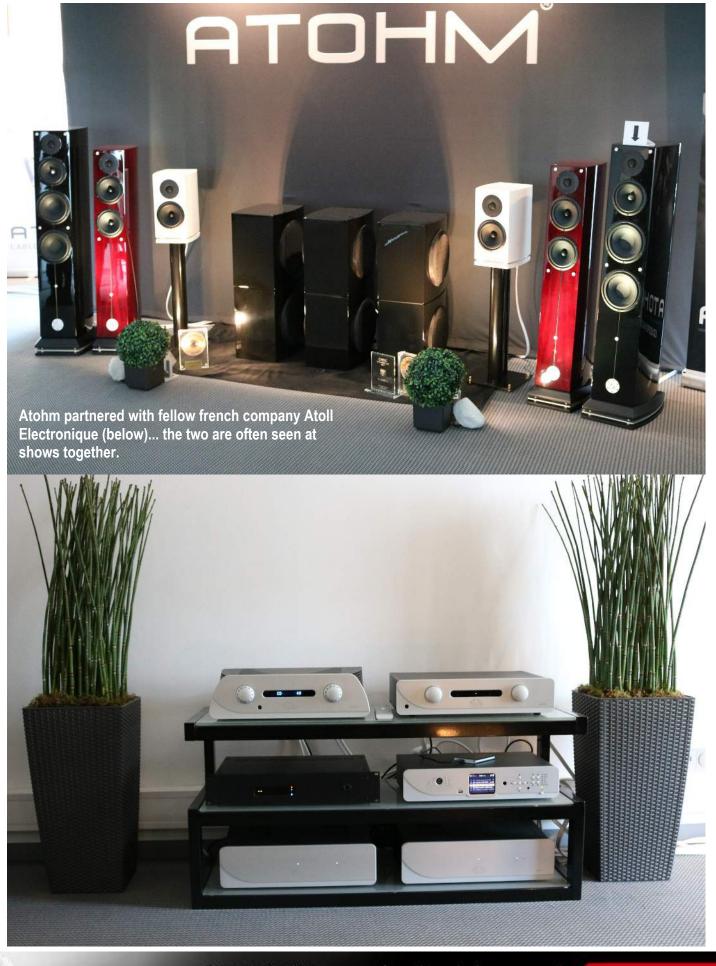
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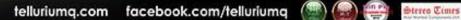




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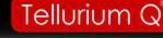
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was the world premier for the ATLANTIS digital line and consisted of the Atlantis transport (SACD, CD, Blu-Ray); Atlantis Server and the Atlantis DAC. Fono Acustica who are from Spain (we spoke to at last year's show) make some exquisite looking cables. Stenheim's Reference speakers moved the air powered by the American VTL Siegfried monoblocs.



Soulutions electronics, a De Baer Saphir turntable and Rockport Technologies' Cygnus loudspeakers. Racks are by Critical Mass Systems.

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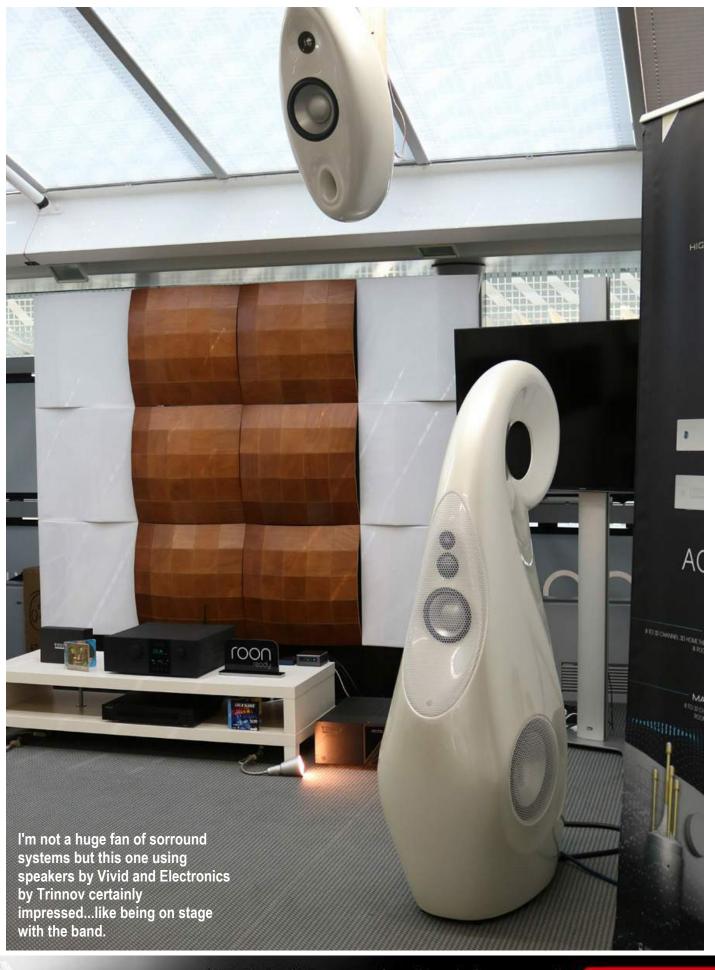


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Kronos Pro turntable and phonostage with Goebel High End Epoque Reference loudspeakers was a brilliant room and just misses our top five by a whisker. A young punk guy asked Louis, the boss at Kronos, to play an album by NoFx he'd brought along and Louis obliged. Later Louis put on some Hendrix and it was magnificent. Another room that just didn't quite make our top five but we loved it all the same.

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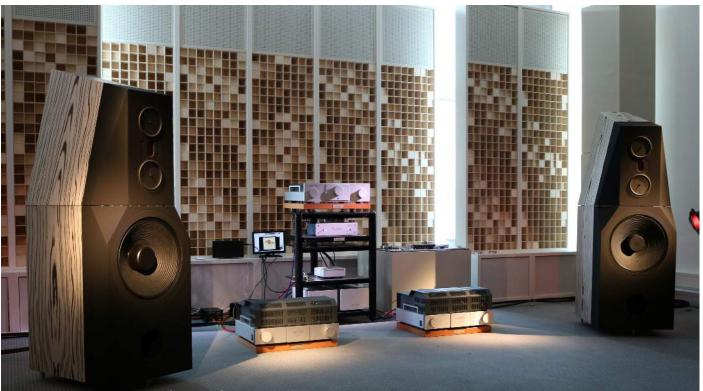
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FINKTEAM are a group of Audio Consultants and this was their prototype loudspeaker at last year's show now made into a product for sale and called the WM-4 costing €65 000 and available July/August of this year. Preamplifier on the top of the rack is the Octave HP700 feeding down to their MRE 220 power amplifiers. This was a great room that missed our top six by a hairs breadth.



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Lots of goodness from Moon by SimAudio including a humongous pair of 888 power amps sat atop specially made Quadraspire stands.



Speakers are the Audiodata Art 1 using active electronics for the woofers. Stands are by Falkenohr and electronics are soulution. **Ialkenºh** Concept 500 Q Acoustics Concept 500 was announced at last year's Munich The second High End but not officially launched until spring 2017. It costs £4000, uses Gelcore cabinet walls, a pair of 165mm drivers and a mechanically decoupled 28mm tweeter. You can adjust with provided links the top end response to plus or minus 5dB. I've heard this speaker a few times now and it really does offer exceptional value for money in my opinion. 9 products of the year and most wanted components Tellurium Q in just 2 years by preserving relative phase relationships in a signal 10

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PERSONA

opportunity to listen to or review."

"... one of the BEST SPEAKER SYSTEMS I have ever had the

Anthony Cordeson, The Absolute Sound

Anthem and Paradigm. The Persona 7F loudspeaker from Canadian company Paradigm was brilliant powered by the Anthem STR integrated amplifier. Frequency extension is claimed to be down to 18Hz!

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French electronics from Atoll and German loudspeakers from Audium. We've had these loudspeakers in the house and they are very good given the point source full range driver and the integrated sub.

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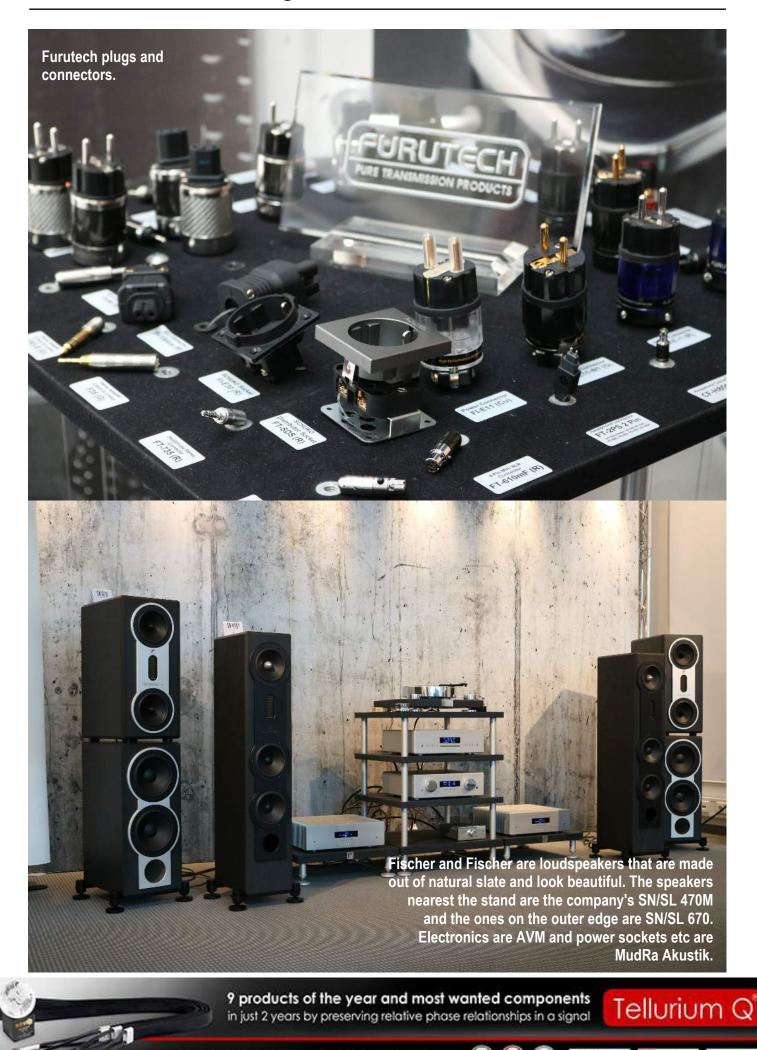
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Music should be about FUN and Avantgarde Acoustic certainly brought that to this year's High End with the brilliant performance of Oded Kafri through Trio horns and the 6 bass horns in the centre. I've been dying to listen to the full Trio/6 Bass horn set up and I was not disappointed at all. They did play music too when Oded wasn't playing and I could have sat in this room all day, but then I'm biased as our reference speakers are the Avantgarde Duo XD pictured centre in the last image. The wonderful people pictured next to the Trios are Holger and Beate Fromme who own the company. Easily in top five of the show for me without a doubt and very close to winning our Hifi Pig Loves You award!!!

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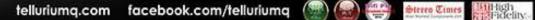
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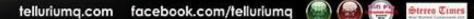




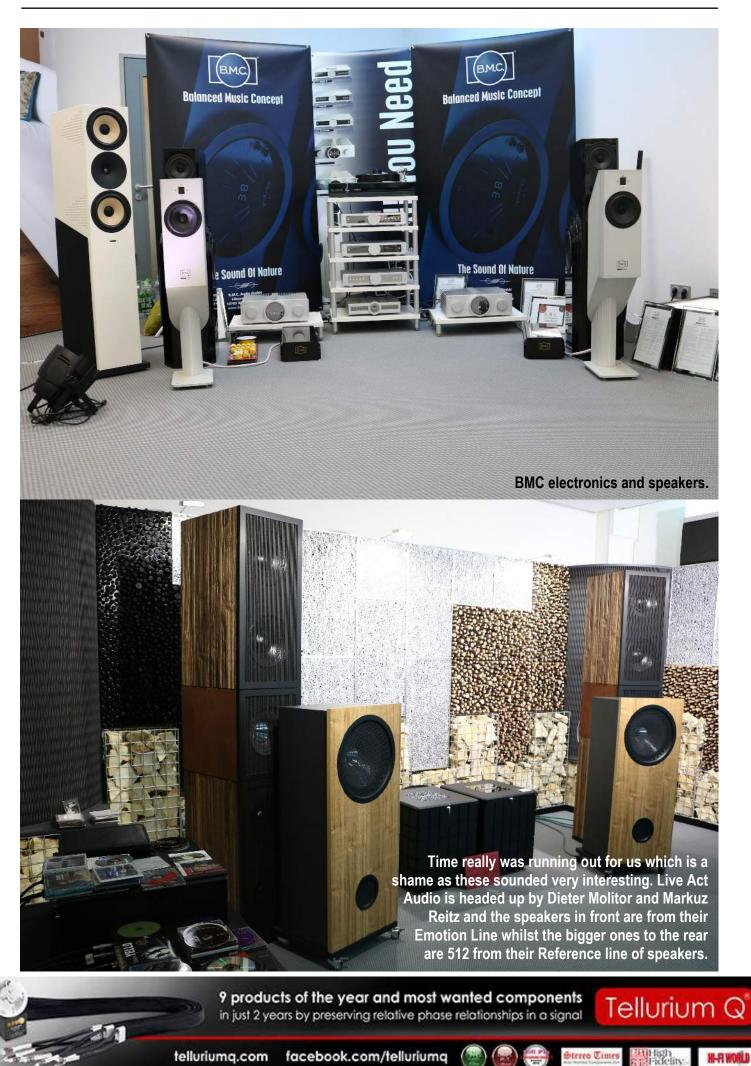




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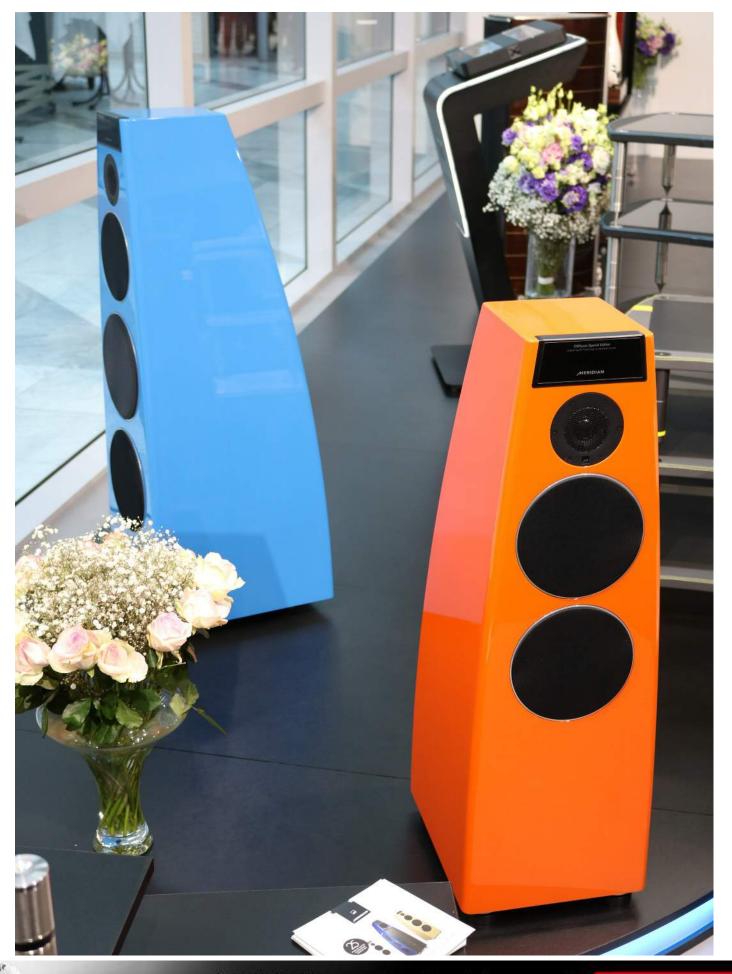


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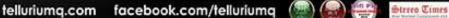
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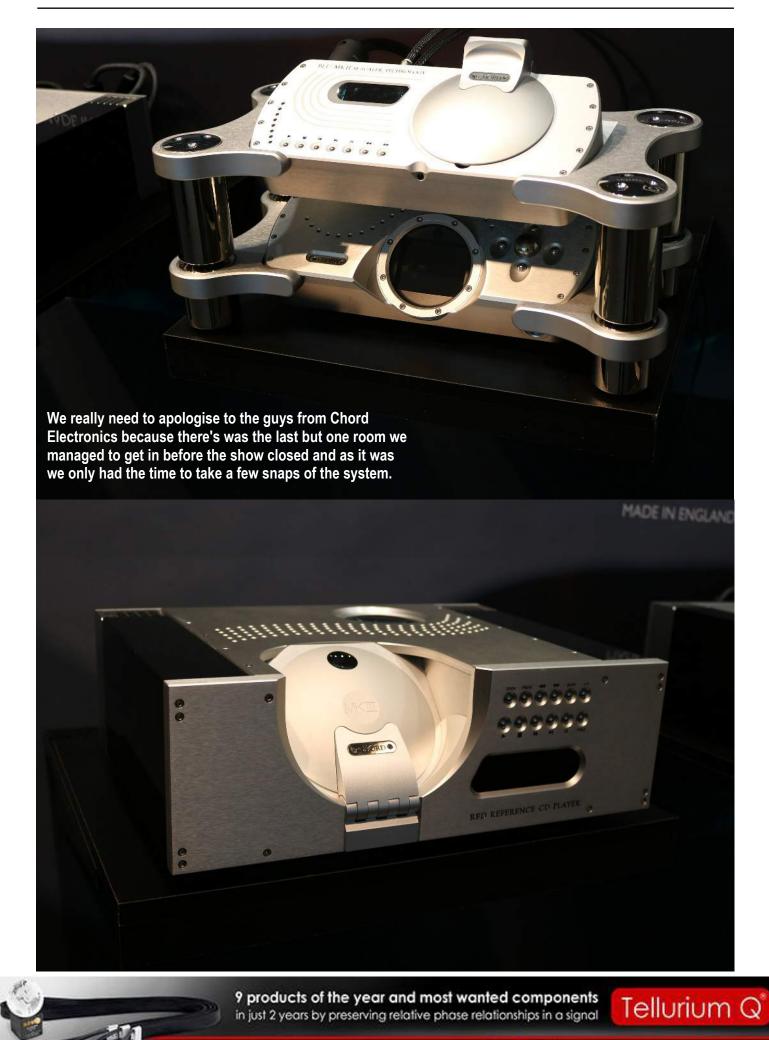
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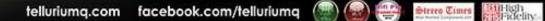




The Hifi Pig Loves You Award

It's that time again, when we announce the winner of our High End Munich "Hifi Pig Loves You" Award. There has been a real mix of winners over the years and different hifi shows that we attend. From high end manufacturers to local hifi dealers and even a music enthusiast for his talks at the Cranage show. Last year's High End Munich prize went to British brand Avid Hifi. It is not just for the best sound at the show, though of course that is a part of it. We also take into account how the people running the room treat their audience, the effort that they have taken putting the system and the room together and the kind of music that they play. Hifi Pig loves rooms with a sense of fun, that look like are enjoying themselves and are not scared to play something a little out of the ordinary for a hifi show. Generally it's a tricky one to judge, especially at the High End where the standard is incredibly high and we often feel torn between several rooms.

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S o out of the overwhelming array of amazing ear and eye candy at of the show we managed to narrow it down to a few final rooms. All of these moved us, they had put a lot of work into their rooms, got the ambience right...the works. It was very, very difficult to chose between them...so here's our four (in no particular order) runners up and our winner of the Hifi Pig loves you Award Munich 2017! (Use the widget at the bottom to turn to the next page!)

Avantgarde Acoustic

OK, so their room is stunning every year, they have a huge room that allows for a big listening area and static displays. Holger, Beate, Armin, Peter and the rest of their team are always on hand to give information, advice or just have a chat and they are always very welcoming to all. We've been so impressed with them over the years that we bought the Duo XDs straight after hearing them at High End Munich 2015. As usual the Avantgarde Acoustic room was packed.

The static display was a real eyecatcher of Uno, Duo and Trio XDs in bright turquoise in front of a seascape backdrop. The main room had plenty of seats and an egg-yolk yellow set of Trios with all six basshorns. However, this year the Avantgarde team wanted to shift things up a gear and they wanted to have fun. When we went in on Sunday there was an electronic drum kit set up in front of the Trios and we managed to time our arrival with the start of an amazing spectacle. To a packed house (there was barely even standing room) Oded Kafri proceeded to leap about drumming, dancing, and singing with an extremely energetic show. It was loads of fun. It was not what you might expect from one of the worlds highest end loudspeaker manufacturers but as Holger told us, Avantgarde Acoustic really do want to bring the fun back to hifi. Well done guys!



Tune Audio, Trafomatic, Audiobyte, Rockna and Skogrand Cables

They say that big is beautiful, and nowhere more so is this true than at High End Munich! We have been very impressed with the Tune Audio Animas in the past and they were pretty sizeable beasts, however the new Avaton three way horns are even more gigantic and the sound, the sound was fantastic and incredibly dynamic...really a case of the actual listening experience matching up to the visual impact of the system. The Trafomatic Elysium amps worked very well with the Avatons and all the components really 'sang' together.

It was a totally international room with Tune being from Greece, Trafomatic from Serbia, Skogrand is Norwegian and Audiobyte and Rockna from Romania. I really love the fact that the High End show brings nationalities together like this, sharing rooms and a love of music. There was an incredibly warm welcome from the people running the room and the atmosphere was a pleasant as the sound!



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Aries Cerat with Vyger, Tellurium Q and 432 EVO

When someone, whose opinion you trust about high end hifi, tells you that a room sounds so beautiful it moved them to tears...you make sure you go into that room and have a serious listen. Jack at BD Audio had not steered us wrong! A visually stunning room featuring Aries Cerat Symphonia horn loudspeakers, that are wonderfully made from wood, and their hefty Concero 65 monoblock valve amplifiers, plus more of their electronics. There was an equally stunning Vyger Indian Signature turntable, 432 EVO music server and the system was fully cabled with Tellurium Q Silver Diamond with Ultra Silver power cables.

Now this is all very high end gear, it's big and unashamedly bold so a feast for audiophile eyes as well as ears. They were playing classical music when we went in, normally not something that appeals to me but if music that I don't normally listen to can captivate me then it's a good sign. It really was simply stunning and definitely one of the best sounding rooms at the show...also one that we will make a beeline for next year and hopefully get to hear a wider variety of music too.

Cabasse

Cabasse had the most recent version of their wonderful La Sphère loudspeaker system on show (along with a lot of more affordable gear too). We have heard these speakers several times, including at a private listening session at their coastal Brittany HQ, and have always been extremely impressed with the 'liveness' of their sound. Appropriate then that they had a set up with a big screen and were playing an Adele concert in their room. Now, I'm not really much of an Adele fan but there is no denying she is a great performer and through the Cabasse system it was really like being at the event live and in person.

Christophe Cabasse had cranked the system up to give the audience a treat and they seemed to be enjoying it immensely. The precise and lively quality of the system was particularly evident with drums, something we have noticed before and it makes sense when you know that Christophe is himself a drummer. Another case of high end hifi letting it's hair down, being fun and making it about the music!



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And the winner is.....

As I mentioned earlier, this year's show has been particularly difficult to judge because of the very high quality of many, many exhibitors. There are many more who get mentions in our main coverage and we really thought that the High End Show had turned it up to 11 this year. Speaking of which, that is one of the reasons our winner won...they just topped expectations and we were not the only ones to think so, the winner of our Hifi Pig Loves You Award at High End Munich 2017 is....

Living Voice

The Living Voice room is always impressive. When you are measuring the cost of the system in tens, sorry make that hundreds, of thousands of pounds then you expect to get something super special. This is the highest of the high end and you can't fail to have a bit of a 'wow' moment when you walk in. For a start, just look at them!



This year Living Voice showed their Vox Palladian Basso system. Recognisably Living Voice like their predecessors the Vox Olympian, they had a glorious European walnut satin finish laid in a sunburst motif. The distinctive bronzework was finished in a rich mottled chocolate through an artisanal process of hand patination and Carnauba wax. The quality of the workmanship was stunning and they are handbuilt in England. Of course they don't just pair speakers of this quality with any old electronics. Kondo is a natural partner for them and the electronics were all very high end quality (see kit list and prices below for further info). Taking precision to the next level they even bring their own battery 'power station'...and they have to bring this all by lorry from the UK, setting off the week before the show, that is dedication for you!



The Living Voice room is always on the top floor of Atrium four, it has become a must see for most show attendees and as a consequence it is always packed. This year however we took the sensible option of visiting on the first day and managed to get a seat. We were not disappointed. Kevin and Lynn Scott are very into music, they always play a lot of classical and opera as Kevin is particular into this genre. Then Kevin but some Dub on, I didn't know the track but it was just amazing, this high end system was perfectly suited to non classical. It was all a bit goosebumps and chills, music just enveloping you and carrying you away. It has always sounded magical in that room but this was really another, and totally unexpected, level.



There is not much more to say really, we were not the only ones to notice how good it was...we kept bumping into people we know around the show and it was always 'have you heard Living Voice yet???'. We told everyone we met to go for a listen. Kevin and Lynn are also lovely people, they are very professional, look after their customers and anyone who comes in to their room, they are down to earth and love music. We are very pleased to give them our Hifi Pig Loves You Award and can't wait to see what they do to top this at High End Munich 2018.

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Living Voice Comment On Winning The Hifi Pig Loves You Award

"Thank you. It's such a thrill to accept this award given the immense competition at the show. We try to create a unique ambience in our room and to push the boundaries of convention; both musically and aesthetically. The Munich Hi-End show is THE place to showcase new products and demonstrate our system developments, and anyone who's seriously interested in high end audio is there. It's our job and objective to offer a thrilling and memorable experience to the biggest international audience. We are already planning and looking forward to next year."

Lynn & Kevin Scott

The System

Living Voice Vox Palladian and Palladian Basso horn loudspeaker system in European Walnut satin finish laid to sunburst motif £450,000

Neodio Origine S2 CD Player £40,000 And Canary CD300LV CD Player £7,500

Kondo Gakuoh 300B mono amplifiers £70,000

Kondo M77 preamplifier £40,000

2 x Living Voice G3 equipment tables £16,000

Assorted Kondo speaker, power and interconnect cables.

Second system

Living Voice OBX-RW3 Piano Black finish £14,000

The Beast music server £35,000 And Canary CD300LV Cd Player £7500

Kondo Kegon Integrated 300B ampflifier £45000 Or Kondo Gakuoh 300B mono amplifiers £70,000

Kondo M77 preamplifier £40,000

Living Voice G8 equipment table £35,000

Assorted Kondo speaker, power and interconnect cables.



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