TEMPTATIONS | EXPENSIVE, YES. BUT YOU KNOW YOU WANT THEM







WHAT HI-FI? ****

COMPATIBILITY EOB

· Effortless insight into recordings Astonishing dynamic ability Apile and powerful bass

· Excellent build AGAINST Extremely

expensive

VERDICT The PMC Fact Fenestrias are without doubt one of the finest pairs of speakers we have heard

We like shoot-for-the-stars products. It's always fascinating to see what a company can do when the sole concern is to maximise sound quality. This is what the range-topping Fact Fenestrias represent for PMC - an opportunity to take a fresh look at every part of loudspeaker design and come up with engineering solutions that are as free from budget constraints as they can be

PMC has long had firm beliefs on all aspects of speaker design so it was always unlikely to follow a totally different engineering path just because there is more money to be spent. The Fact Fenestrias still use a wooden cabinet, for example, though PMC has been highly imaginative in the way it has gone about reducing cabinet resonances It is also no sumrise to find the use of a transmission line

to tune the speakers' low-frequency output either, as the company has long promoted the use of this type of arrangement, Why? The claim is that it gives lower distortion and more powerful bass for a given cabinet size compared with the usual reflex port configuration.

INTERESTING STRUCTURE What's a transmission line? The bass unit's rear-firing sound is

experience in optimising the results.

channelled through a carefully damned folding nath within the speaker cabinet until only the lowest frequencies remain. These exit through an opening in the cabinet to augment the forward-firing bass sounds from the driver. The type and amount of damping are critical to setting the transmission line to work properly, as is getting the length just right. PMC has been designing these for decades and so has plenty of

The Fenestria has two transmission lines, both 2.4m in length; one for each pair of the four flat 16,5cm damped carbon fibre bass drivers. Great care has been taken to manage the airflow out of the transmission line in order to minimise turbulence and drag. The result is less noise and increased efficiency. The rest of the drive unit complement is highly developed but relatively conventional. There's a development

frankly astonishing

of PMC's capable 75mm dome midrange (with its rear chamber to absorb any unwanted sound coming off the back of the diaphrasm) and a 19.5mm Sonomex dome tweeter (with an unusually large 36mm wide surround) that uses a powerful Neodymium magnet assembly. Even the tweeter's grille is shaped to aid the unit's dispersion characteristics.

While these drivers are impressive enough, it's the way they have been implemented into the Fenestria's structure that is even more interesting. They are both attached to a small, heavily shaped aluminium baffle that is decoupled from the main speaker body to isolate both higherfrequency drivers from the vibrations generated by that quartet of bass units. Not only that, the tweeter itself is additionally decoupled from that aluminium baffle by a dedicated suspension system designed to minimise any unwanted mechanical energy from the dome midrange affecting the high frequency driver's output.

The Fenestria's array of drive units is linked with a three-way crossover that is housed in the plinth of the speakers, and mounted compliantly to, you've guessed it, reduce the amount of mechanical vibrations fed into the circuit. The crossover points are set at 380Hz and 3.8kHz. which are fairly conventional values. Take a look at the fourth order, 24dB/octave network and you will spot that it is populated by some of the best components available

"We can't recall testing a speaker that reproduces the harmonically rich sound of a piano with such realistic dynamic expression and accurate sense of scale"





PMC's traditionally even-handed approach to sound quality is present in these floorstanders from brands such as Mundorf and Clarity Cap. Even the speaker binding posts are unusual, being bespoke and made of copper and plated with Rhodium for good long-term conductivity.

Look around the back and you will find three sets of speaker terminals to allow tri-wiring (if you want) and also two dials to adjust bass and treble outputs. These two controls offer subtle tweaks rather than large changes of character and are useful to optimise the speaker's balance in a listening room.

One of the Penestria's rechnology highlights has to be the main cabinet design. PMC has adopted a technique used for controlling. PMC has adopted a technique used for controlling the swaying motion in skyrscapers (caused by earthquakes or high winded and applied that to the cabinet sides. This takes the form of complaintly mounted panels seek that the cabinet sides are the same of the control of the speaker box, and are tuned to rescente se as to oppose the witharton generated by the cabinet's side panels. It is a clever solution that avoide the excessive mass of most high-end cabinet designs and the huge cost and resonance issues of using metal. Control of resonance is steme that runs using metal. Control of resonances is steme that runs

throughout every aspect of the Fenestria's design.
At 1.7 metres tall, these PMCs are huge speakers, but they
won't look overbearing in most rooms thanks to the slim
proportion of the front panel. They are a modular design
that has to be assembled, with each pair of bass drivers in
separate boxes that lock toxether, with the midrange/

tweeter array fitting on later.
The overall standards of build are as good as we would expect at this level, and there is a choice of three finishes: Tiger Ebony, Rich Walnut or White Silk. Such is PMC's confidence in these speakers that it offers an impressive

20-year warranty on the product. We would leave initial assembly to the dealer, as well as the optimisation of the positioning. At 80kg for each cabinet these aren't so easy to move around, and it takes a certain amount of experience properly to optimise the sound, even if the Fenestrias are well behaved and fairly unfussy by high-end standards.

We end up with them placed around a metre out from the near wall and well away from the sides, to make the most of the speakers' expansive stereo imaging. Our test room is reasonably-sized at 5 x 7m, with a 5m high ceiling, but even then we feel the need to knock back the Fenestria's bass output just a noth-using that tera panel control to avoid the lows being overstated. A bit of angle towards the listening position helps to firm up the stereo focus.

RARE FINESSE

No one should consider a pair of speakers at this level without having a not-class system in place. Our sources as without having a nipe. Our sources as without having a nipe. Our sources are Naims ND5557555 FS DR and Llants Klimax DSM mussic streamers with the Technics Sci. 10000 turnable providing an able analogue back-up. Our main amplification is nuasal Burmester Osse? In MEI III proview combination, but PMC was also find enough to leave a pair of 600-watt Bayston 78 Cubber monoblects to enable us to push the speakers harder, if needed. All cables are upmarket of offerings from Chord Company and Vetter Acoustics.

Those who know PMCs products will be relieved to know that the company hast freashes in traditionally even-handed approach to sound quality. The Freestria's consideration of the company of the company of the party of the company of the company of the party that high play case, all who the tree species so is far more interesting than that. They sound natural and sublet, leading step spacies. PMCs aim for these footstanders is leading step as the company of the contraction of sound to the company of the contraction of the contraction of the company of the contraction of the company of which is the contraction of vibrational interactions between the drive units. when the country of which contracts the contraction of vibrational interactions between the drive units.





for controlling the swaying motion in skyscrapers (caused by earthquakes) and applied that to the cabinet sides"

midrange are fix to an aluminium baffle that is decoupled from an impartiality what is deeply impressive. By impartiality we are talking not part about basics such as tonal balance fully is possingly even from the lowest base upwards), but also the way these spoakers handle all general or music without favourifism. They can rock-out to Nirvana's Newermind. punching out Growt A Fou Air with attitude and attack intact, while having the composure to present Dvolki's New World Summon with the moreison verve and scale it deserves.

They image superbly for such large boxes - thanks no doubt to the well-controlled obline resonances - delivering a huge and expansive presentation that still has instruments and other sounds tocked solidly in place. These PMGs dig up so much in the way of low-level detail hat it's easy to bear the acoustic close that describe the scale and characteristics of the recording venue, making it a breeze to place the orchestra within that space.

These floorstanders are astoundingly good in the way they render dynamic shifts too. Forceful crosscendos are rendered with conviction, which is no surprise given the price level. More impressive and unusuals is the way the Ferentrias handle the nuances, the slight changes in change in emphasis in the way a plane key is played. This is brought home when we listen to Beethoverts Moonlight Sonata and find it comes through with a level of authenticity that is rare in hi-fi. We cannot recall testing another speaker that reproduces the harmonically rich sound of a full-size piano with such realistic dynamic expression and accurate sense of scale. There's an authority in the Fenestria's presentation that is hugely appealing.

Wanting to push these speakers hard with somethings of a different gene, we decide to play Massire ARLEA's Anged at what can only be described as party levels. These PMGs taddle it with almost contemptuous ease. There is no sign of strain or any undue hardness that suggests that the speakers are having to work that. The energy saturemane baselines come through with excellent clarity and texture. These towers sound mighty deep and powerful, of course. Given the laster of sound mighty deep and powerful, of course. Given the laster of sound mighty deep and powerful of course. Given the laster of else would not be acceptable but the ability to render different textures of base sounds is zere and finally stonishing.

Designe relatively conventional specifications for sensitivity (646/fill/wipm) and 4 of hom montal impedance, these are peakers that positively demand that your ownetion of the peakers that the positively demand that your ownehandly purp at a satel 6180 watts per channel, but there is no mistaking the lincrossed low-end gip and improvement in suggested dynamic dairs where we substitute the pair of special peakers distributed by the service of the peakers of service of the peakers of the peakers of the peakers of service of the peakers of the peakers of service the peakers of the peakers of service of the peakers of service of the peakers of service ser

Some people will never be able to look past the Penestria's massive price, and we can understand that. But, equally, there is no denying the excellence of their performance, if fed with a system of suitable quality and character. Overall, it's hard to come to any other conclusion than that these speakers richly deserve a prominent position among the very best seaders we have ever tested. We can sive no

higher compliment than that.