

**PMC**<sup>®</sup>

**fact** signature

**fact**<sup>®</sup>

**/fakt/**

*A thing known to be true with  
complete certainty.*

## WHAT DRIVES US

At PMC, we believe that music is what really matters; it's what moves us and gives us the passion for what we do. The company was founded because we felt there were no loudspeakers transparent enough to convey all of music's expressive power — and we knew we could remedy this using advanced engineering and a holistic design approach.

This is harder than it sounds. It is often easier to create loudspeakers that colour or flatter music, adding their own sound — but that is not the PMC way. The quest for sonic neutrality and transparency has always been our obsession, in the interests of reproducing music as vividly and faithfully as possible, just as the artist intended.

As we like to say, loudspeakers are where science meets art — we take care of the science so you can connect with the art.



*Peter Thomas, Owner,  
& Oliver Thomas, Head of Design*

## THE LINE WE TAKE

From PMC's beginnings, our designers discovered that the only way they could meet their own exacting standards was to custom-design everything themselves. Ever since, our products have been the result of solid engineering principles coupled to painstaking design, construction and testing standards. We consider every element and its audible effect, hand-select every component, hand-build every speaker, and test and listen to every finished product. Our recent products make use of design concepts adapted from high-performance car manufacturing, cutting-edge laser-based test and measurement techniques, structural engineering and materials science, all to push the boundaries of loudspeaker design.

Today the success of our approach is clear. As you can read overleaf, our customers include countless distinguished names in the world of professional music composition, recording, broadcast and film, as well as discerning audiophiles.





Our groundbreaking partnership with the UK's NPL (National Physical Laboratory) resulted in a pioneering acousto-optic mapping process. It uses lasers rather than microphones to analyse the propagation of sound, creating a 3D map and animated model of the sound produced by the loudspeaker — so we can see exactly what you can hear.

# THE SPEAKERS THAT MAKE MUSIC



Artists and institutions who made music with PMC, composing, mixing or mastering with our Emmy-award-winning loudspeakers:

JOHN NEWMAN  
ELBOW  
EMBRACE  
SADE  
STEVIE WONDER  
COLDPLAY  
KRAFTWERK  
PETER GABRIEL  
ROBBIE WILLIAMS  
BRIAN MAY  
MARILLION  
SONY MUSIC  
UNDERWORLD  
TONY BENNETT  
BASEMENT JAXX  
UNIVERSAL MUSIC

METROPOLIS STUDIOS  
STUDIOS 301  
TELDEX STUDIOS  
EMI  
ROYAL SHAKESPEARE COMPANY  
DECCA  
ORF  
THE DÜSSELDORF UNIVERSITY OF MUSIC  
THE ROYAL SCHOOL OF MUSIC  
WARNER MUSIC  
BBC RADIO  
BBC TV  
CAPITOL STUDIOS  
CHESKY RECORDS  
NY UNIVERSITY  
TAPE LONDON

Just some of the movie and TV music made with PMC:

GAME OF THRONES  
SPECTRE  
SKYFALL  
SAVING MR. BANKS  
MAN OF STEEL  
THE ADJUSTMENT BUREAU  
WALL-E  
INCEPTION  
TRON  
THE DARK KNIGHT  
GRAN TORINO  
DEADPOOL 2  
AVENGERS INFINITY WAR  
WATCHMEN  
DAY OF THE DEAD  
HALLOWEEN  
HANCOCK

INDEPENDENCE DAY  
HULK  
THE FUGITIVE  
ALIEN VS PREDATOR  
THE SIXTH SENSE  
THE PASSION OF THE CHRIST  
DIE ANOTHER DAY  
PLANET OF THE APES  
FINDING NEMO  
FINDING DORY  
CHICAGO  
PIRATES OF THE CARIBBEAN  
TERMINATOR 3  
AMERICAN BEAUTY  
LOVE ACTUALLY  
MAD MEN  
FARGO...

Whether you listen to our speakers in a world-class studio in LA, London, Nashville, Tokyo, Berlin or your favourite listening room at home, you will hear the music exactly as the artist intended it.



Emmy® award  
©ATAS/NATAS

## WHAT'S IN A SIGNATURE?

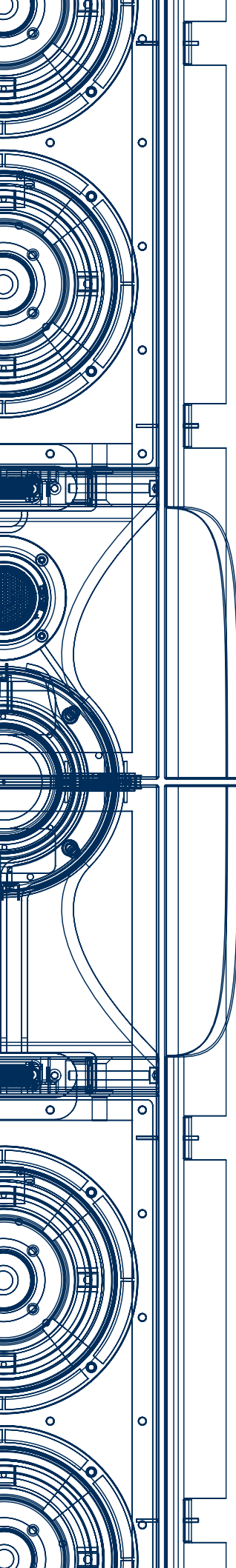
Innovators are never satisfied with their products; with every year, new technologies, materials, and manufacturing processes can be applied, and there is always room for improvement. Our team has an open-minded approach to loudspeaker design, frequently collaborating with cutting-edge companies from outside the world of audio, and have been working to realise the further potential they saw in the most popular designs in the **fact** range, **fact.8** and **fact.12**, by incorporating ideas from the flagship **fact fenestria**. The **fact.8** signature and the larger **fact.12 signature** are the result: two- and three-way **ATL™** speakers with even greater musicality and transparency.





fact.8 signature

fact.12 signature



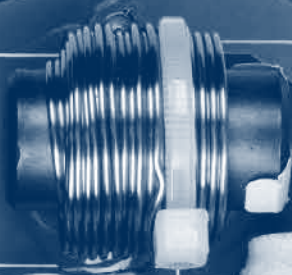
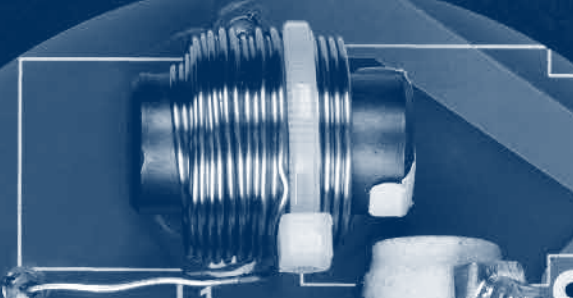
## MAKING MUSIC — AND NOTHING BUT

While designing the company's statement model, the **fact fenestria**, PMC's engineers conducted extensive measurement studies and vibration analyses in order to acquire a detailed understanding of all the non-musical sources of vibration in their prototypes. These studies allowed us to incorporate groundbreaking vibration absorption and cancellation techniques into the design, reducing unwanted resonance in the **fenestria**, and ensuring that it produced nothing but music.

These extensive analyses, which investigated the negative effects of vibrations on the speaker right down to the level of components within and on the loudspeaker's crossover, also form the basis for the design of the **fact signature** speaker. The research shows that vibration negatively impacts the performance of capacitors in audio circuits such as crossovers. Both the **fenestria** and the new **fact signature** series have been built using world-leading British capacitors and German non-inductive resistors expressly designed to eradicate the negative effects of internal micro-vibrations, thereby enhancing the musicality of the **fact signature**'s new crossover.



fact fenestria



L1

R1

PMC  
6W5 6ΩJ

PMC  
27W 2 2ΩJ



SW1



SW2

R6

HP AUDIO RESISTOR  
155 +/- 2% 1042  
mundorf.com



HF+ HF-

PMC  
www.pmc-audio.com  
model  
8

act Crossover  
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tested by  
SS  
date  
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ALCAP ALCAP ALCAP ALCAP  
20MFD 20MFD 20MFD 20MFD  
100VNP 100VNP 100VNP 100VNP  
± 2% ± 2% ± 2% ± 2%

ALCAP ALCAP ALCAP ALCAP  
20MFD 20MFD 20MFD 20MFD  
100VNP 100VNP 100VNP 100VNP  
± 2% ± 2% ± 2% ± 2%

ClarityCap  
AUDIO GRADE CAPACITORS  
PMC  
6.60 μF 250 Vdc +/-1%  
61902B/2540  
MADE IN BRITAIN



HF+

HF-

PMC  
10μF ± 1% 250V DC  
-25°C+85°C  
Made in France -18

C6

C7A

PMC  
8.2μF  
-25°C  
Made in France

R5

PMC  
5W 5ΩJ

C3

HP AUDIO RESISTOR  
155 +/- 2% 1042  
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The **fact.8 signature** builds on the balanced, engaging sound and life-like imaging of the original **fact** speakers. It takes to the next level the **fact** speakers' ready ability to accurately reproduce all genres of music via its twin PMC bass drivers, **ATL**<sup>™</sup> and soft-dome treble, a collaboration with precision Norwegian acoustic specialists SEAS. In short, it's a meticulously engineered, stylish loudspeaker that delivers the optimum output for medium-to-larger rooms with a wide range of amplification, sounding musical at all volumes and flawlessly conveying the emotion and beauty of a musical performance without unwanted enhancement or exaggeration.



**fact.8 signature** in Metallic graphite



fact.8 signature in White silk



More expansive listening environments can benefit from the extra drive offered by the three-way **fact.12 signature**, with its dedicated, hand-built mid-range soft-dome, premium-quality bass drivers, **ATL™** and high-grade components from the flagship **fact fenestria**. Your room deserves this speaker's innate ability to create an effortless sense of scale, projection and clarity, with vocals and instruments that hang in clearly defined space, so realistic you could almost touch them. No matter what your desired output level, from whisper-quiet to levels you feel rather than hear, the **fact.12 signature** brings you the magic in the music, with nothing added or taken away.



**fact.12 signature** in White silk





fact.12 signature in Metallic graphite

## POWER, GRACE AND MUSICALITY

It takes great skill to build truly musical loudspeaker drivers capable of delivering powerful, well-controlled sound, yet sensitive enough to convey subtle tonal details. With over three decades of experience conceptualising, building, testing and obsessively honing loudspeaker drivers and designs for professional and consumer use, PMC have what it takes.

## HIGHER AND WIDER

Both **fact signature** models build on solid foundations, using the proven SONOMEX™ domed treble drive unit. It delivers an exceptionally smooth high-frequency response and a stable, three-dimensional image, allowing multiple listeners to enjoy a uniform, consistent musical experience over a vast area, rather than the restricted 'sweet spot' of some of its competitors.



## VOCALS YOU CAN TOUCH

Adding to PMC's long history of superbly engineered soft-dome drivers, the **fact.12 signature's** 50mm hand-made mid-range unit is absolutely transparent, and incorporates design elements from the mid-range driver in the flagship **fact fenestria**, delivering the same clean, airy, room-enveloping sound expected by music lovers everywhere.



## LIGHT WITH INNER STRENGTH

Made of light but super-stiff natural fibre, the **fact.8 signature**'s bass drivers have the strength to generate dynamic low-end, coupled with the resolution to reproduce the finest of musical nuances in the vocal and instrument range. This driver can land the solid punch of a kick drum one moment, then turn on a sixpence to deliver the breathtaking subtleties of a gospel choir the next.



## DEEP AND POWERFUL

For its twin bass drivers, the **fact.12 signature** employs a bespoke woofer developed for the original **fact.12**. With its long throw, powerful magnet and specially coated ultra-light alloy cone, the design combines accuracy, rigidity and durability, producing low-frequency energy to levels unheard of from competing speakers of similar dimensions thanks to its seamlessly integrated Advanced Transmission Line (**ATL™**).



## AT THE BEATING HEART

The source of PMC's natural, realistic sound is the Advanced Transmission Line (**ATL**) bass-loading technology, professionally proven all around the world.

**ATL**<sup>™</sup> uses energy generated by the bass unit in a much more intelligent, efficient way than speaker designs based on ported or sealed boxes. In **ATL**<sup>™</sup> loudspeakers, the highly braced cabinet is lined with a multitude of custom-designed acoustic materials that absorb all but the very lowest frequencies. These exit from a front-panel vent, extending the low-frequency response, and creating the impression of a far larger speaker with an extra, ultra-high quality bass unit.

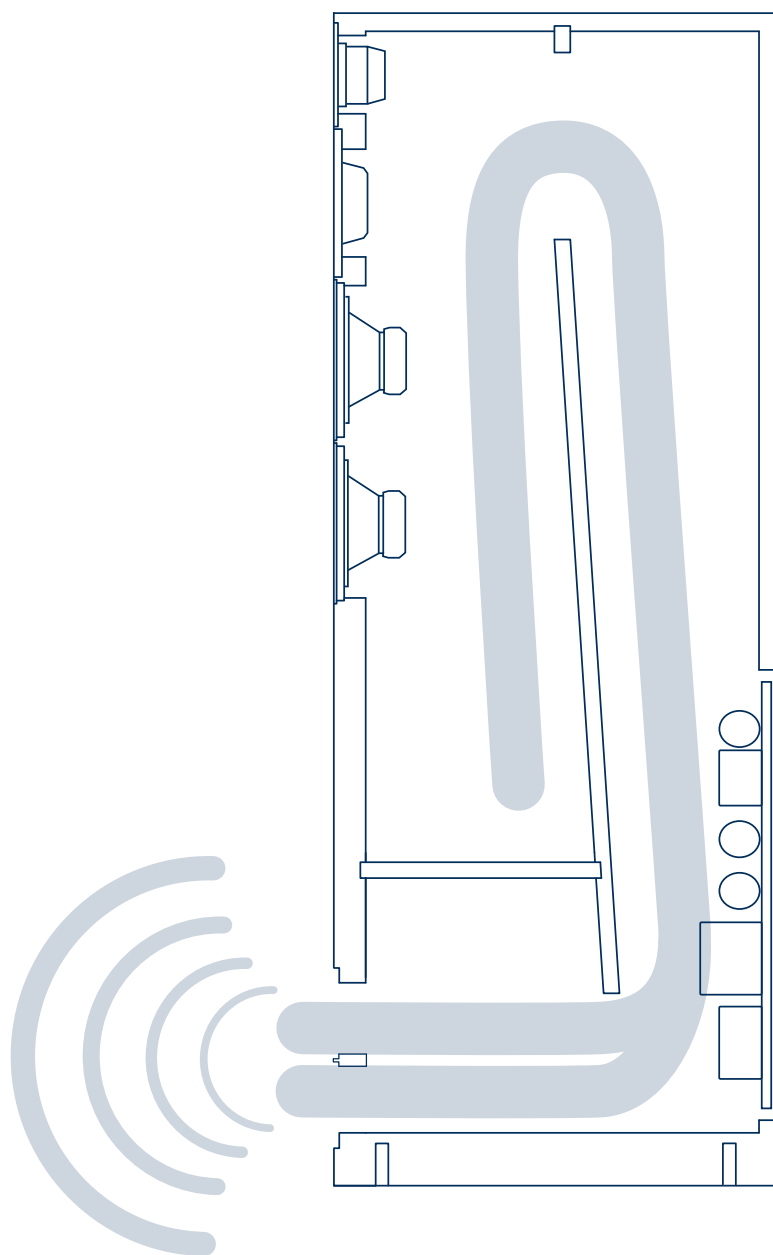
**ATL**<sup>™</sup> improves more than just the bass response; because the low end is clean and clear, it doesn't mask the rest of the music. Vocals, in particular, are beautifully projected and ultra-vivid.

**ATL**<sup>™</sup> loudspeakers offer another benefit. The **ATL**<sup>™</sup> bass extension does not change with volume level — so even when listening quietly, the bass sounds balanced and well defined.

### *The Unique Benefits:*

- *More detailed, more natural*
- *Full, rich sound at any volume level*
- *Deeper bass from a smaller cabinet*





*'No other technology provides such a huge, rich, room-filling sound'*

## TAILORING FOR PERFECT SOUND

The **fact signature** resolves the complex issue of how to combine the differing sound signatures of room acoustics, cables and source equipment by allowing you to fine-tune the speaker once installed in your listening room. Audiophile-grade switching, set into the solid aluminium rear panel, lets you subtly tailor the bass and treble response to create the perfect sound balance in situ.

## A SOUND CONNECTION

If you've maintained a high-quality signal path all the way from your amp to your speakers, you'll want nothing but the very best throughout. Naturally, the binding posts on all **fact signature** models are silver-coated for total audio transparency, and will accept 4mm plugs or spades for the purest possible transfer of sound.

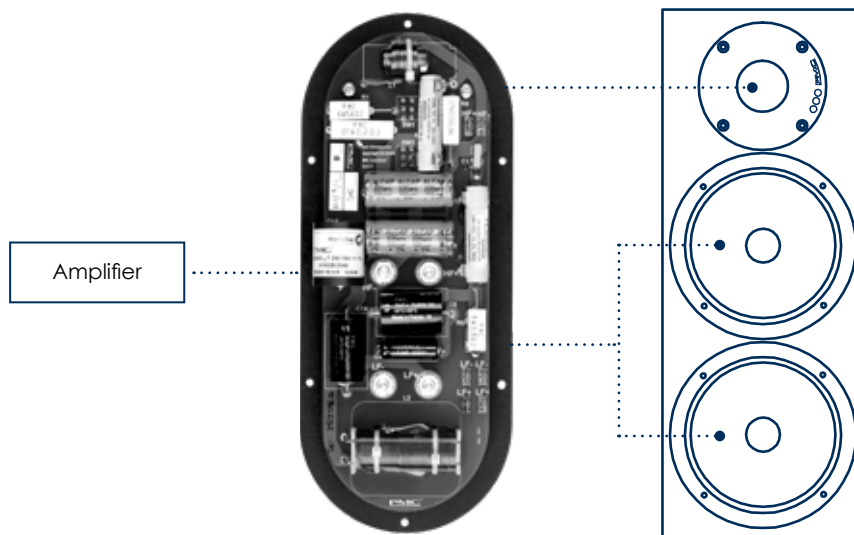


**fact Ag** terminals and bridging bars



## PRECISION DIVISION

The crossover is an essential component of any quality loudspeaker, dividing the incoming audio from an amplifier into multiple signals with specific frequency ranges best suited to reproduction by each of the loudspeaker's drive units. Both **fact signature** models feature sophisticated crossovers with accurate filters mounted on military-grade fibreglass boards, ensuring that only the ideal frequency range is precisely routed to the correct driver. Thick, pure copper tracks are used to connect the final crossover components on the **fact signature** to optimise signal delivery, and the same hand-selected components employed in the flagship **fact fenestria** were used for the final products, following extensive listening tests. Even the positioning of the components on the board was carefully calculated to minimise unwanted interference in the final design.



## CRAFTED WITH CARE IN THE UK

Our loudspeakers are designed and hand-built with care and attention by fastidious people at the PMC facility in the UK, where every single component is measured and graded. Every detail, from the individual elements on the crossover and in the drive units right up to the cabinet, is tested to ensure it meets our exacting standards for performance and reliability. This ensures each new model is a duplicate of the reference design.

A full computer analysis is taken for each completed loudspeaker, so we know it is technically perfect — but we go one step further. Computers don't tell the full story, and our customers listen with their ears — so we do too. We run a benchmark BBC speech test and play an extensive array of music (including classical, pop and rock) on each loudspeaker we produce. Every one is compared with its reference model and both speakers in each pair are cross-checked to ensure a perfect match. Such is the confidence in our work that we offer an unparalleled 20-year warranty on all passive consumer loudspeakers.



**UNRIVALLED**  
twenty year warranty





*“Computers don’t tell the full story. As well as a full frequency analysis, we listen to each speaker we make — and run a benchmark BBC speech and musical test on every single one”*

# SPECIFICATIONS

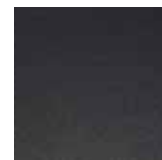


<b>Freq response</b>	28Hz – 30kHz
<b>Sensitivity</b>	89dB 1W 1m
<b>Effective ATL</b>	3m (9.8ft)
<b>Impedance</b>	8 Ohms
<b>Drive Units</b>	<b>LF</b> 2 x <b>fact</b> 140mm (5 ½") precision drivers <b>HF fact</b> 19mm high res, SONOMEX™ soft dome, ferrofluid cooled
<b>Crossover Freq</b>	1.7kHz
<b>Input connectors</b>	2 pairs 4mm PMC <b>Ag</b> terminals (Bi-wire or Bi-amp)
<b>Dimensions</b>	<b>H</b> 1030mm (40.6") + 25mm spikes <b>W</b> 155mm (6.1") + 80mm ingot feet <b>D</b> 380mm (15") + 10mm Grille + 23mm <b>Ag</b> terminal
<b>Weight</b>	20.0kg (44lbs) ea.



<b>Freq response</b>	26Hz – 30kHz
<b>Sensitivity</b>	84dB 1W 1m
<b>Effective ATL</b>	3.3m (11ft)
<b>Impedance</b>	8 Ohms
<b>Drive Units</b>	<b>LF</b> 2 x <b>fact</b> 140mm (5 ½") super-long-throw <b>MF</b> 1 x <b>fact</b> 50mm (2.0") super clarity soft dome, ferro-fluid cooled, mid-range <b>HF</b> 1 x <b>fact</b> 19mm high-res, SONOMEX™ soft dome, ferro-fluid cooled
<b>Crossover Freq</b>	400Hz, 4kHz
<b>Input connectors</b>	3 pairs 4mm PMC <b>Ag</b> terminals (Tri-wire or Tri-amp)
<b>Dimensions</b>	<b>H</b> 1110mm (43.7") + 25mm spikes <b>W</b> 168mm (6.1") + 100mm ingot feet <b>D</b> 420mm (16.5") + 10mm Grille + 23mm <b>Ag</b> terminal
<b>Weight</b>	26.0kg (57lbs) ea.

## Finishes



Metallic graphite



White silk

**fact**<sup>®</sup>

**/fakt/**

*A thing known to be true with  
complete certainty.*



**fact** signature

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