PMC®

wafer™

The ultimate audio performance
with discreet elegance

wafer-iw™

wafer1-iw™
in-wall

ATL™
Advanced Transmission Line

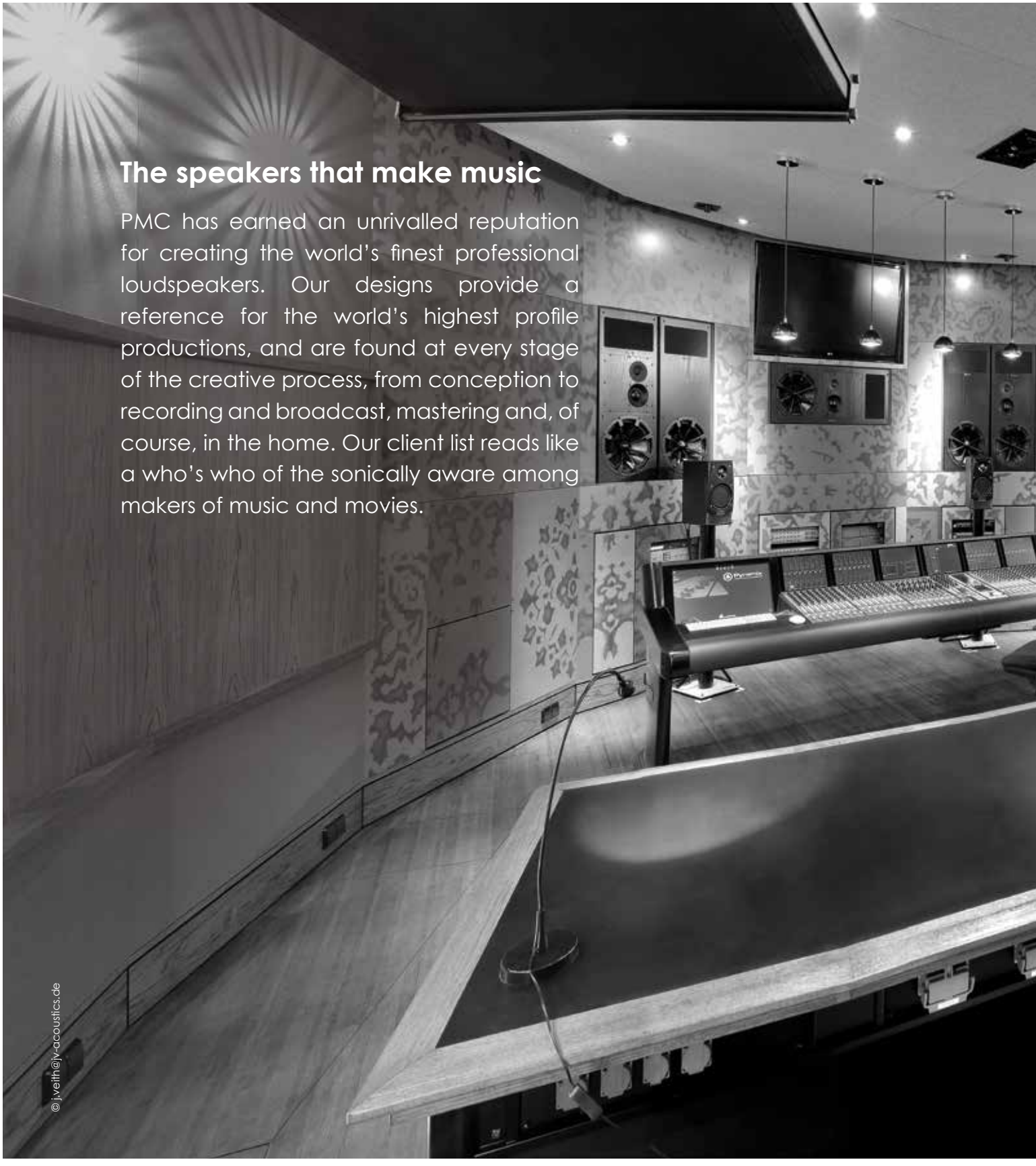
Engineering with passion

Peter Thomas, Owner
Oliver Thomas, Head Of Design

“Our sole aim while designing loudspeakers is to recreate the true essence of an artist’s intention, by combining designs offering the highest possible sonic resolution with solid engineering principles.

We believe that the same loudspeaker can be used throughout the entire audio chain, from composer to studio or film stage, through post-production or mastering, right to the listener at home. Our unswerving passion for getting it right has made this goal possible.

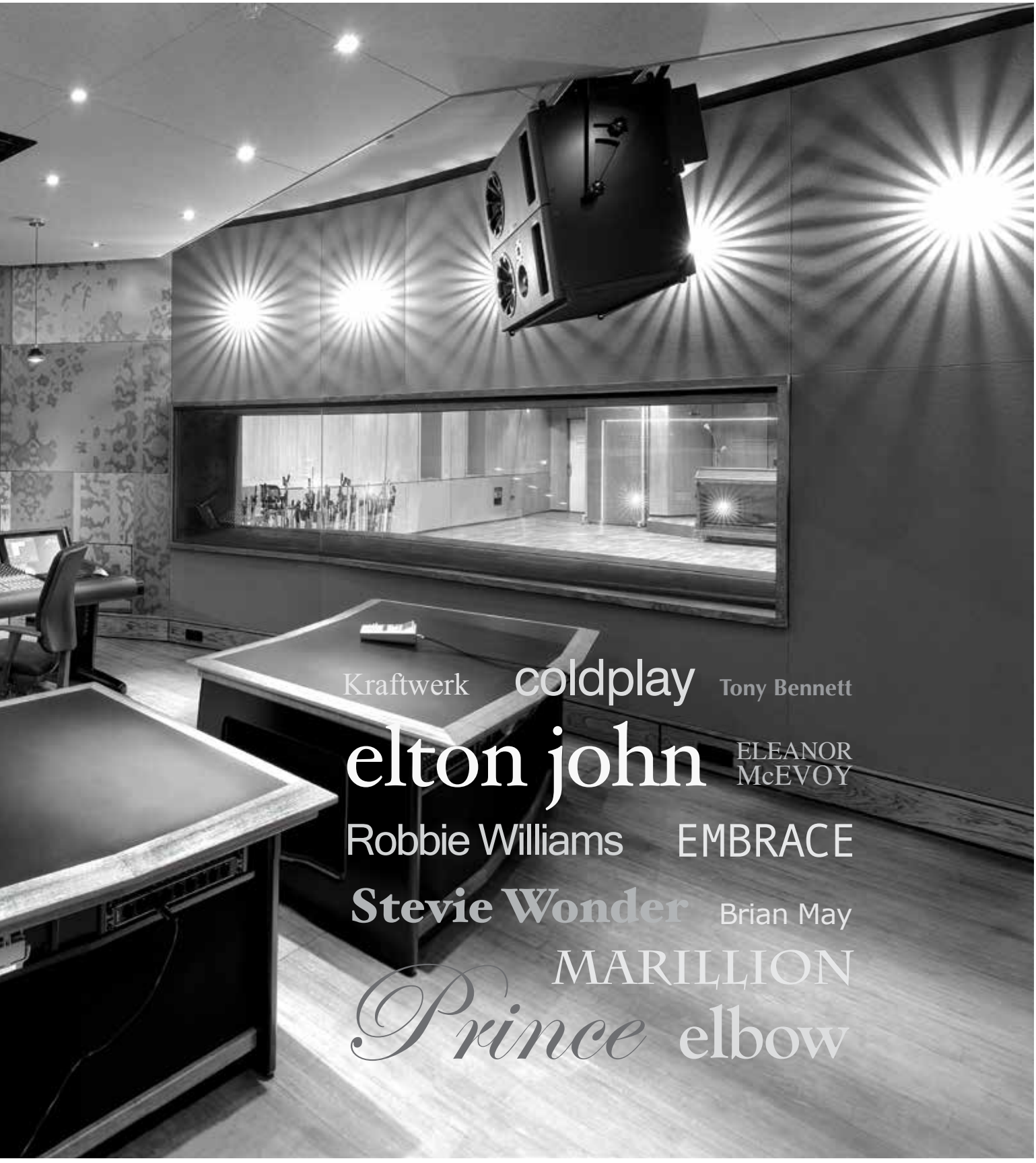
Listen to any of our products and you will hear why our speakers are accepted as the world’s studio reference and are also a perfect partner for your system at home.”



The speakers that make music

PMC has earned an unrivalled reputation for creating the world's finest professional loudspeakers. Our designs provide a reference for the world's highest profile productions, and are found at every stage of the creative process, from conception to recording and broadcast, mastering and, of course, in the home. Our client list reads like a who's who of the sonically aware among makers of music and movies.

Making music - composing, mixing or mastering with PMC: Elbow, Embrace, Sade, Elton John & Leon Russell, Prince, Stevie Wonder, Coldplay, Kraftwerk, Peter Gabriel, Robbie Williams, Brian May, Eleanor McEvoy, Marillion, Francis Rossi - Status Quo, JVC, Robert Fripp, SONY, Bryston, Tori Amos, Underworld, Tony Bennett, Universal Music, RTL, Emil, Berliner/Deutsche Grammophon, teldex Studios, Hospital HDTV Broadcast Studios, Siemens, EMI, Royal Shakespeare Company, DECCA, The Moving Picture Company, ÖRF, The University of Music – Düsseldorf, The Royal School of Music, The Royal Astronomical Society, Warner Music, BBC Radio, BBC TV, Capitol Studios, Chesky Records, N.Y. University



Movie music made with PMC: SKYFALL, Saving Mr. Banks, Man of Steel, The Adjustment Bureau, Sherlock Holmes, Get on Up, WALL-E, Inception, Tron, The Dark Knight, Gran Torino, Kung Fu Panda 1& 2, Monsters vs Aliens, The Day the Earth Stood Still, Watchmen, Californication, Day of the Dead, Halloween, Hancock, Independence Day, HitchHikers Guide to the Galaxy, Hulk, The Fugitive, One Fine Day, The Sixth Sense, Dinosaur, Elf, The Passion of the Christ, Die Another Day, Planet of the Apes, Rollerball, Finding Nemo, Chicago, Freaky Friday, 2 Fast 2 Furious, Lara Croft Tomb Raider: The Cradle of Life, Pirates of the Caribbean: At World's End, Spider-Man 3, Terminator 3, American Beauty, Love Actually

ATL™

Advanced Transmission Line

World-leading professionals rely on the accuracy of PMC's designs to create sound and music enjoyed every day by audiophiles everywhere. When listening on PMCs, you can rest assured that what you hear is identical to the version approved by the artists themselves.

Basically speaking

What they offer above a standard HiFi speaker

More detailed, more natural – Our speakers are extremely natural and achieve phenomenal levels of clarity. It's almost as if the musicians are with you in the room.

Room-filling - The sound from PMC speakers covers a massive area. So wherever you sit, you and other members of your family still hear everything.

Full, rich sound at any volume - You can listen at low volume levels and still enjoy all the detail - ideal for late night listening.

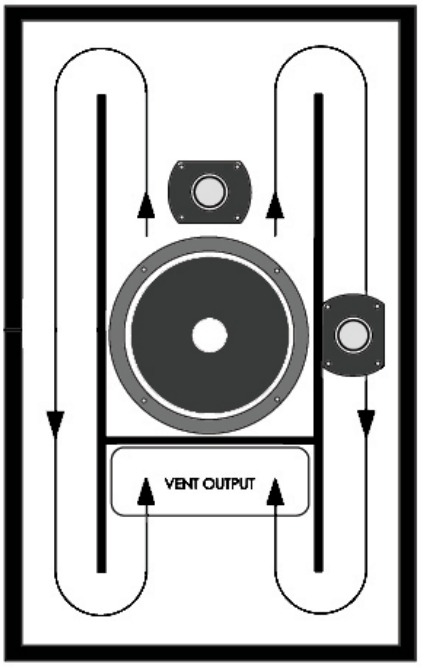
Full, rich sound from a smaller cabinet - PMC's ***ATL***™ design maximises the cabinet volume by employing a long 'tunnel', rather than consisting of an empty box. This generates a far fuller sound from a smaller cabinet.

Ease of drive - Our designs are highly efficient and can be driven by the vast majority of good quality amplifiers, which makes them compatible with the widest possible range of electronics.

Ideal for surround - All PMC designs have an identical tonal balance and can be mixed and matched to create the ultimate surround sound system.

Easy to position – ***ATL***™ is not detrimentally effected by positioning close to boundaries, making for easier room placement and a wide sonic dispersion.

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



H-Line *ATL*™ in the **wafer2**

Technically speaking

PMC's (Advanced Transmission Line) enclosures have taken loudspeaker design to the highest level.

A PMC transmission line design utilises sophisticated cabinet construction, PMC designed drive units and patented absorption materials and techniques.

The benefits are enormous compared to the relatively simple sealed and ported models available elsewhere.

The bass driver is placed at one end of a long tunnel (the transmission line), which is heavily damped with absorbent acoustic material. This material is specified to absorb the upper bass and higher frequencies that radiate from the rear of the bass driver. The lowest frequencies, which remain in phase, then emerge from the large vent at the end of the line, which essentially acts as a second driver. One advantage to this approach is that the air pressure loading the main driver is maintained, thus controlling the driver over a wide frequency range, which in turn significantly reduces distortion. A spin-off from the lack of distortion is that the upper bass and mid-range detail is not masked by harmonic distortion residing in the very low frequencies.

The result is PMC's characteristic transparent mid-range and fast attacking bass notes, all reproduced with outstanding clarity.

A further advantage of the transmission line approach is a cabinet that produces a higher volume and greater bass extension than a ported or sealed design of a similar size, even if identical drivers are used. Moreover, as the loading on the main driver is maintained at all volumes, the frequency response also remains consistent regardless of listening level.

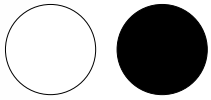
Casual late night listening or analytical studio sessions can be conducted without the need for high volumes to achieve maximum bass response - a characteristic that is especially suited to both the home enthusiast and recording professional alike.

wafer™ On-wall - available in two sizes

wafer1™ - White with 42" screen

Self Standing wafer

A pair of the **wafer-tt™** brushed stainless steel supports converts the **wafer™** into an elegant table top speaker.



White finish (stock)
Black finish (to order)

wafer2™ - White with 42" screen

Quick accurate installation

The **wafer™** has a well-engineered adjustable wall mounting system with large scope for adjustments in height and level.

wafer™ On-wall

wafer1™ - On-wall L, C, R

wafer™ - Control

wafer™ - In horizontal mode

The **Emmy®** award winning British company PMC has brought its ***ATL™*** technology, found in the world's leading studios to a range of discreet, stylish in-wall and on-wall loudspeakers. The slim-line **wafer™** series are capable of astounding room-filling richness and clarity, ideal to recreate the surround sound cinema experience or an audiophile two channel system.

The two size options allow for perfect visual and sound balance for both modest and more substantial rooms.

Unique to the wafer™

- Discreet & stylish - a perfect partner for any flat screen
- Natural, dynamic, high resolution sound quality
- Supreme bass performance - Rich deep bass at all volume levels
- Combines flawlessly with the large PMC range
- Whole room coverage - Wide dispersion
- Efficient - Easy to drive
- Perfect horizontal & vertical performance
- High frequency control - (+, FLAT, -)
- Image steering - directs sound toward the listener
- Untainted, clear projected sound using **SteathBaffle™**
- Trouble-free installation - Adjustable mounting hardwear

wafer2™ - Black L, C, R


wafer2™

wafer-iw™ In-wall - available in two sizes

wafer1-iw™ - 5½" Bass Unit

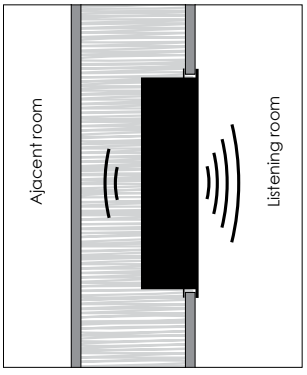
wafer2-iw™ - 6½" Bass Unit

In addition, the wafer-iw™ feature

- Slim line paintable grille & baffle - blends discreetly
- Ultra low sound leakage - sealed rear cabinet
- Rapid, efficient and convenient installation
- Reference level audio from an in-wall
- Ideal ceiling or wall installation
- Paintable grille & bezel

Ultra low rear sound leakage

wafer-iw™ cabinets are sealed at the rear, therefore sound leakage to adjoining rooms is kept to an absolute minimum. Having a determined volume and structure of cabinet also means a guarantee of performance, as there is no reliance on the cavity construction or filling, unlike inferior open back designs.



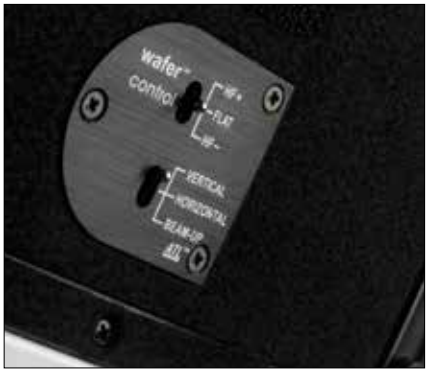
Quick Fix installation

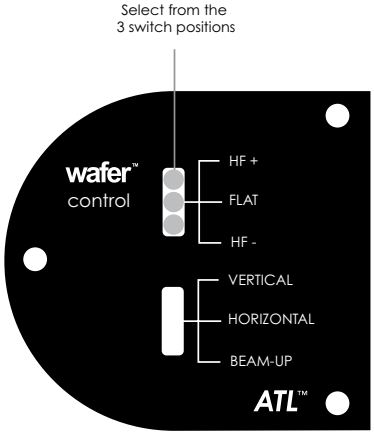
The multiple mounting lugs spring into position as the cabinet is placed into the wall or ceiling allowing both hands free to finally secure and position the cabinet safely and accurately.

wafer™ control – perfect room integration

High frequency compensation

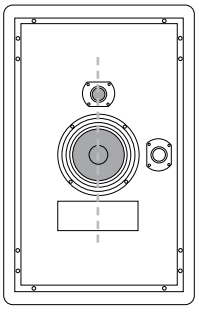
Three positions for tweeter level tailor for bright-reflective or dull-absorbent rooms and the effects of perforated projector screens.



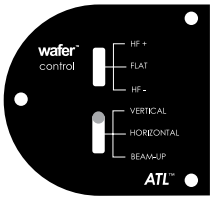


TT-Technology™

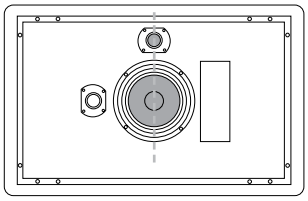
Unlike standard loudspeaker designs the **wafer™** is not compromised when it is rotated. Using switchable Twin Tweeters its performance is perfect in vertical or horizontal modes, allowing an identical model to be used for both upright and low profile centre channels.



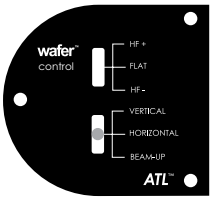
Vertical position



Switch position



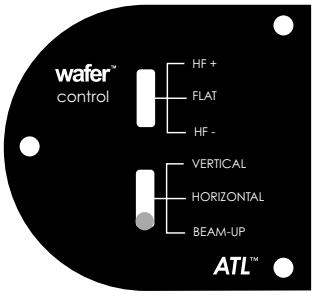
Horizontal position



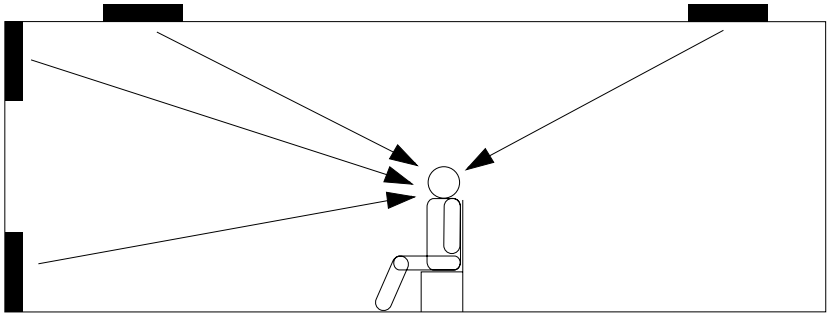
Switch position

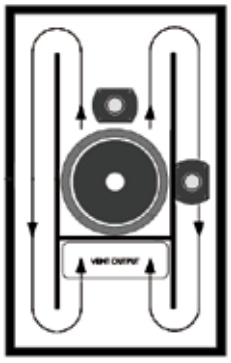
Image steering

The 'Beam-up' function uses the twin tweeter arrangement to steer the image toward the listening position.
This is highly effective when either placed very high or low and especially when the **wafer-iw™** is used in-ceiling in a surround sound configuration.



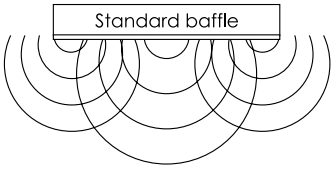
Switch in the 'Beam-Up' position





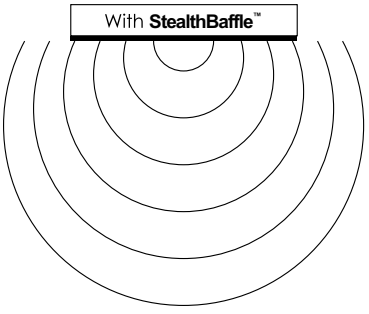
Supreme bass performance at all levels

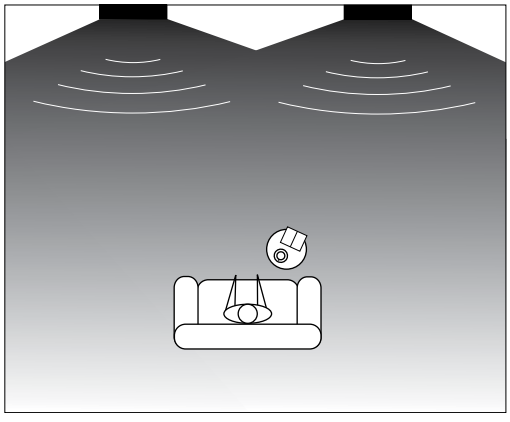
wafer™ use PMC's **H-Line *ATL***™ technology making them sound clean, clear and rich at all volume levels. In many cases, their phenomenal bass performance negates the use of a sub.



Untainted, clear projected sound using SteathBaffle™

Standard in-wall and on-wall designs are compromised when sound is reflected by the large surface area of their front baffle that surrounds the drive units. This detrimental effect is similar to the change in sound when cupping your hands around your mouth whilst speaking. PMC's acoustic specialists have developed a unique, structured, absorbent surface that prevents unwanted reflected sound waves. The drive units are free to produce concentrated pure, untainted audio directly into the listening space.



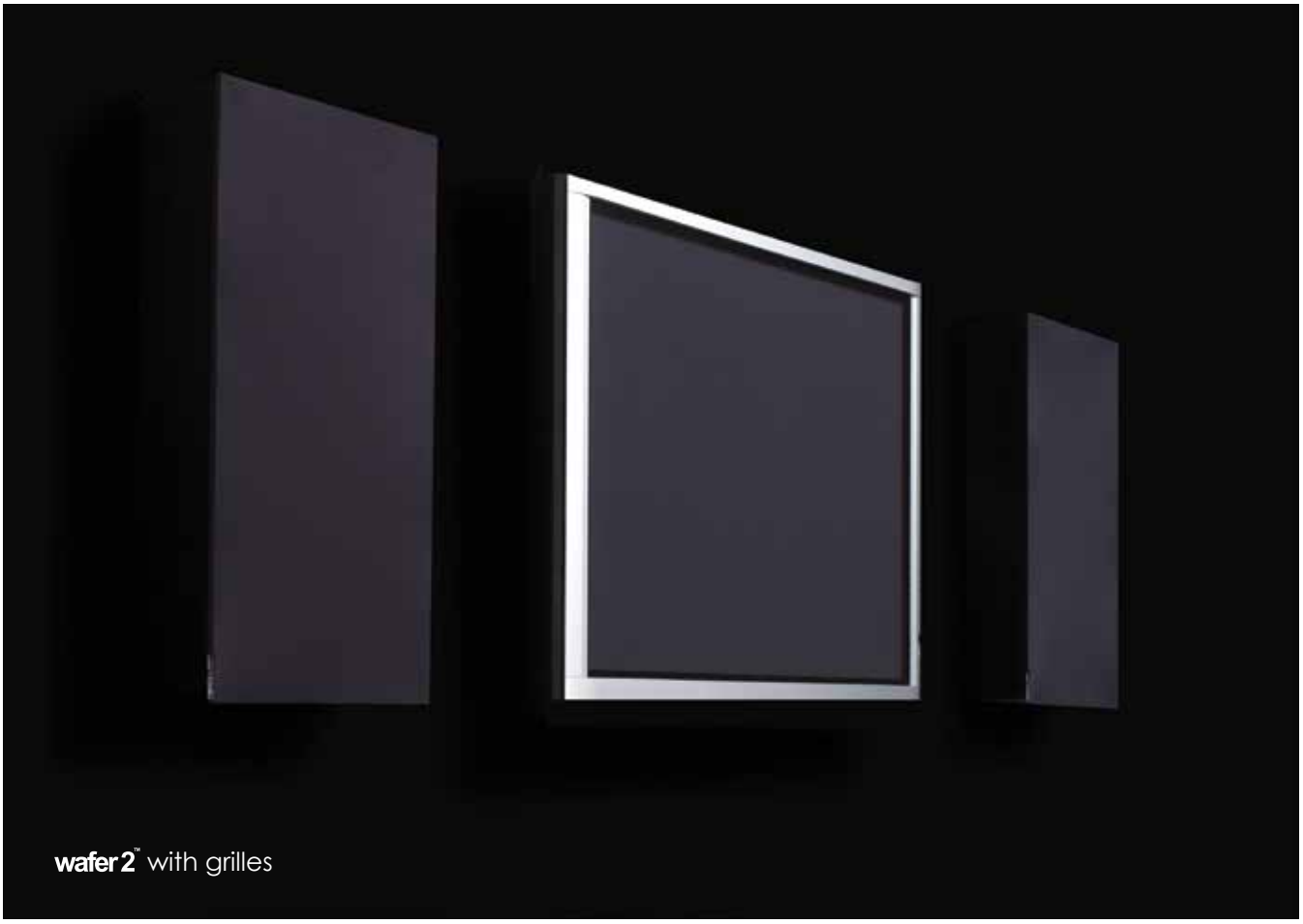


Whole room coverage

Their ultra wide dispersion gives a far greater spread of sound across a larger area than a standard loudspeaker, creating a fulfilling experience throughout the room.

wafer 2™ with grilles removed and 42" screen

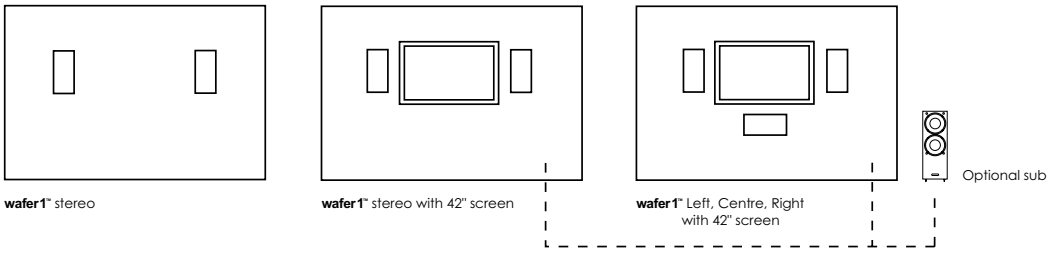
Black finish (to order)



wafer 2™ with grilles

wafer™ series installation examples

wafer1™ series installation examples

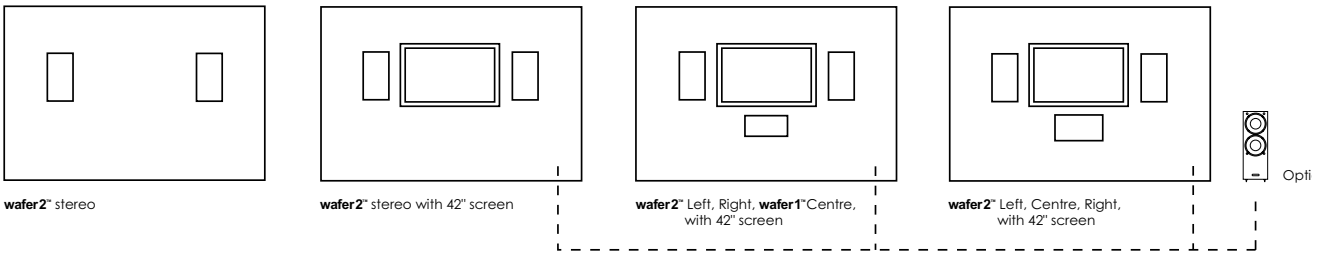


wafer1™ stereo

wafer1™ stereo with 42" screen

wafer1™ Left, Centre, Right with 42" screen

wafer2™ series installation examples



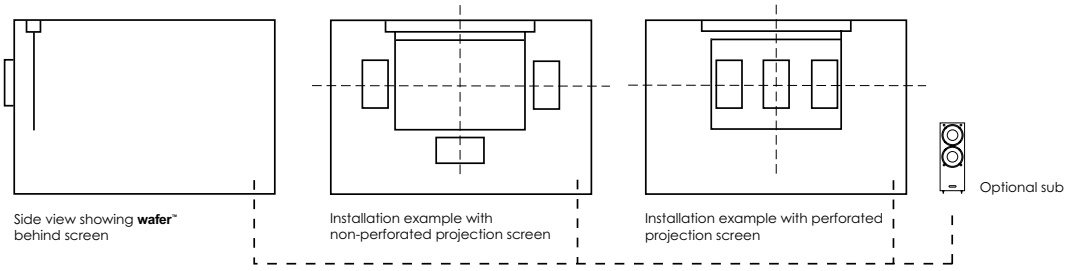
wafer2™ stereo

wafer2™ stereo with 42" screen

wafer2™ Left, Right, **wafer1**™Centre, with 42" screen

wafer2™ Left, Centre, Right, with 42" screen

wafer™ series installation examples with projection screens



Side view showing **wafer**™ behind screen

Installation example with non-perforated projection screen

Installation example with perforated projection screen

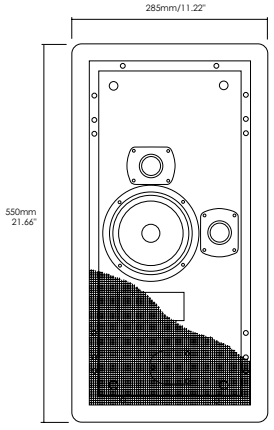
Mixing & matching to create the ultimate system

All speakers in the PMC range are designed with an identical tonal balance and a very wide sound dispersion characteristic. This provides the ultimate in flexibility for the designer, enabling the mixing and matching of different models within a system to suit the aesthetic and size constraints of the environment, without compromising the quality of the experience.

Cinema featuring MB2 XBD-Active, MB2 C-Active, **wafer2** (on wall) surrounds

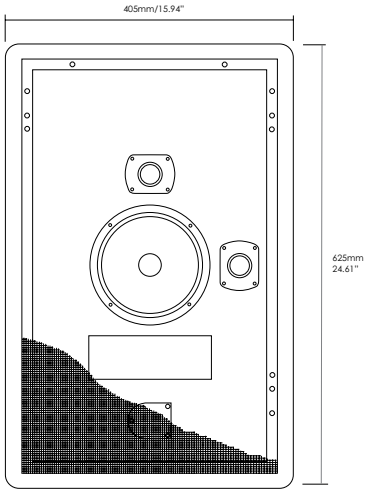
wafer-iw™ In-wall/in-ceiling specifications

	wafer1-iw™	wafer2-iw™
Freq response	50Hz-25kHz	40Hz-25kHz
Sensitivity	90dB 1w 1m	92dB 1w 1m
Impedance	8 Ohms	8 Ohms
Drive Units	LF 140mm (5.5 inches) HF 2 x 27mm Soft dome	LF 170mm (6.5 inches) HF 2 x 27mm Soft dome
Input connectors	1 pair - Sprung & 4mm sockets	1 pair - Sprung & 4mm sockets
Dimensions **Cabinet**	H x W x D 500 x 235 x 100mm (19.7 x 9.3 x 4 inches)	H x W x D 575 x 355 x 100mm (22.6 x 14 x 4 inches)
Cabinet and Bezel	550 x 285 x 107mm (21.65 x 11.22 x 4.21 inches)	625 x 405 x 107mm (24.61 x 15.94 x 4.21 inches)
Cabinet with grille	N/A	N/A
Weight	5.5kg (12.1 lbs)	7.1kg (15.62 lbs)
Grille & frame/bezel	White Silk RAL 9016	White Silk RAL 9016
Cabinet colour	Black Silk RAL 9005	Black Silk RAL 9005



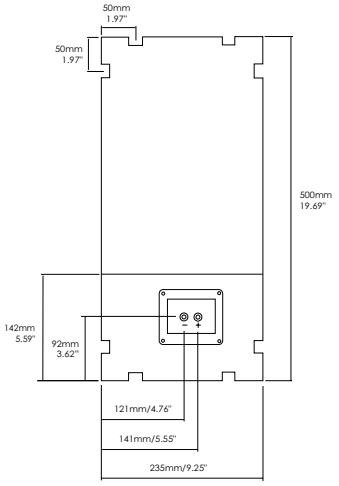
wafer1-iw™

Front



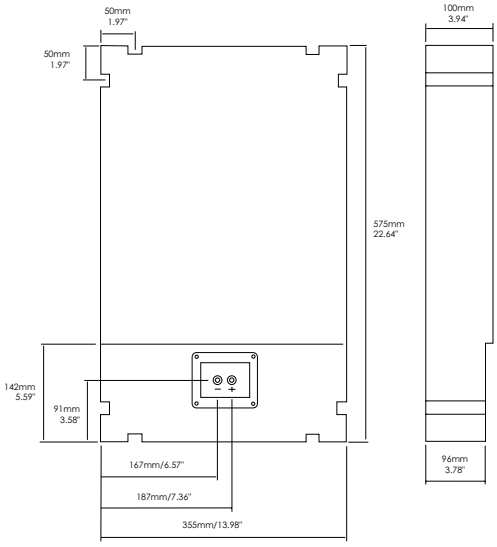
wafer2-iw™

Front



wafer1-iw™

Rear

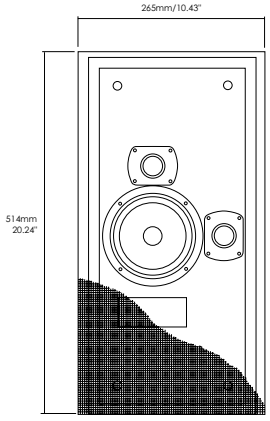


wafer2-iw™

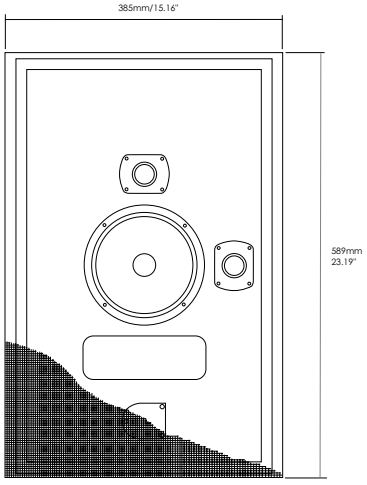
Rear

wafer™ on-wall specifications

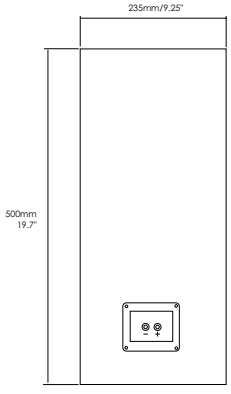
	wafer 1™	wafer 2™
Freq response	50Hz-25kHz	40Hz-25kHz
Sensitivity	90dB 1W 1m	92dB 1W 1m
Impedance	8 Ohms	8 Ohms
Drive Units	LF 140mm (5½") HF 2 x 27mm Soft dome	LF 170mm (6½") HF 2 x 27mm Soft dome
Input connectors	1 pair 4mm sockets	1 pair 4mm sockets
Dimensions **Cabinet**	H x W x D 500 x 235 x 100mm (19.7 x 9.3 x 4 inches)	H x W x D 575 x 355 x 100mm (23.0 x 14 x 4 inches)
Cabinet with grille	514 x 265 x 108mm (20.24 x 10.43 x 4.25 inches)	589 x 385 x 108mm (23.19 x 15.16 x 4.25 inches)
Weight	5kg (11 lbs)	6.6kg (14.5 lbs)
Cabinet finishes	White Silk RAL 9016 (inc. white grillle) Black Silk RAL 9005 (inc. black grille)	White Silk RAL 9016 (inc. white grille) Black Silk RAL 9005 (inc. black grille)



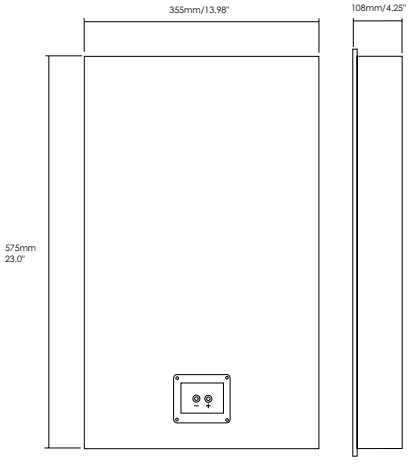
wafer 1™
Front with grille



wafer 2™
Front with grille



wafer 1™
Cabinet rear



wafer 2™
Cabinet rear

Subject to change

EU Community Design Registration
wafer1-iw™ - 000620331-0001
wafer2-iw™ - 000620331-0002

US Design Application Registration
D33443 US
D33554 US

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