

# Platinum Series 3G

Objects of Desire



Product Information Guide



Introduction

# Introducing the new Platinum Series 3G

Platinum Series 3G is the culmination of ground-breaking acoustic innovation, expert design, and traditional craftsmanship. The range celebrates the rich legacy of the Platinum Series, and cements Monitor Audio's deserved place within the high-end, premium loudspeaker space. Platinum Series 3G encapsulates purity of sound and design, and its launch is a highpoint of Monitor Audio's 50th Anniversary year.



# Overview

Platinum Series is the pinnacle of Monitor Audio's home audio loudspeaker range.

Benefiting from the ground-breaking development our R&D engineers undertook on our Concept 50 loudspeaker, the Platinum Series has raised the bar in what is achievable for high-end home audio.



Superior in sound and build quality



Designed for your home, with clean lines to suit both classic and contemporary home décor



Performance led – intricately engineered to optimise the audio experience



New RDT III bass/mid driver design



New MPD III high frequency transducer



The Monitor Audio family aesthetic with acoustically transparent hexagonal dispersion pattern on the tweeter plate



Platinum C250

Platinum 100

Platinum 200

Platinum 300

Performance

# Into the next generation

Platinum builds on two generations of loudspeaker design, consistently innovating at each step. With Platinum Series 3G, we are introducing a ground up new MPD tweeter which improves on every aspect, as well as improvements to the mid and bass driver cones called RDT III.

The new cones combined with the new tweeter, open up new opportunities to improve the crossover and the speaker as a whole, making this range the best Platinum Series we have ever launched.



# Acoustic performance improvements at a glance

1

## New MPD III high frequency transducer

Improvements help reduce distortion and flatten the frequency response, leading to a clearer, more consistent sound with both music and film.

3

## New RDT III bass driver

The larger voice coil diameter keeps the driver cool, even in the most demanding moments. This produces loud and dynamic bass with the lowest distortion of any

5

## Improved plinth and crossover design

The four new cast outrigger assemblies are held together with a steel brace, creating an incredibly strong structure, which doubles as the mounting for the crossover, isolating it from the cabinet.

2

## New RDT III mid-range driver

The new optimised RDT III mid-range driver offers significantly improved power handling, sensitivity and directivity, delivering a smoother and more consistent crossover with the tweeter.

4

## New Aluminium Driver Frames

A new design creates two layers of isolation between driver chassis and cabinet, which helps eliminate unwanted vibrations. This ensures powerful sound is delivered cleanly to listeners.

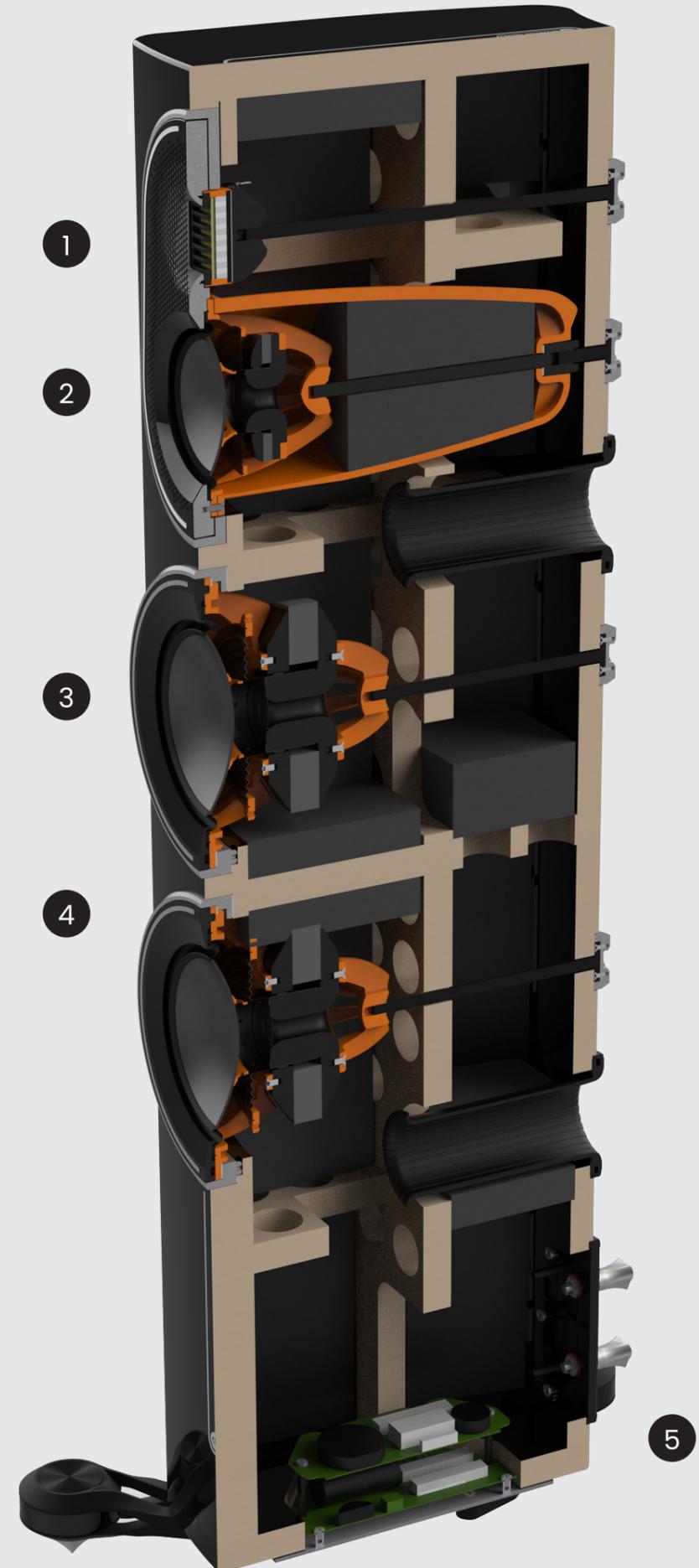
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## Other Acoustic Improvements

Improved power handling.

Crossovers utilise elliptical filters to minimise effects of driver breakup, reducing SPL ripple and THD.

Tweeter crossover section utilises parallel notch to control ultra-high frequency resonances, reducing SPL ripple and THD.

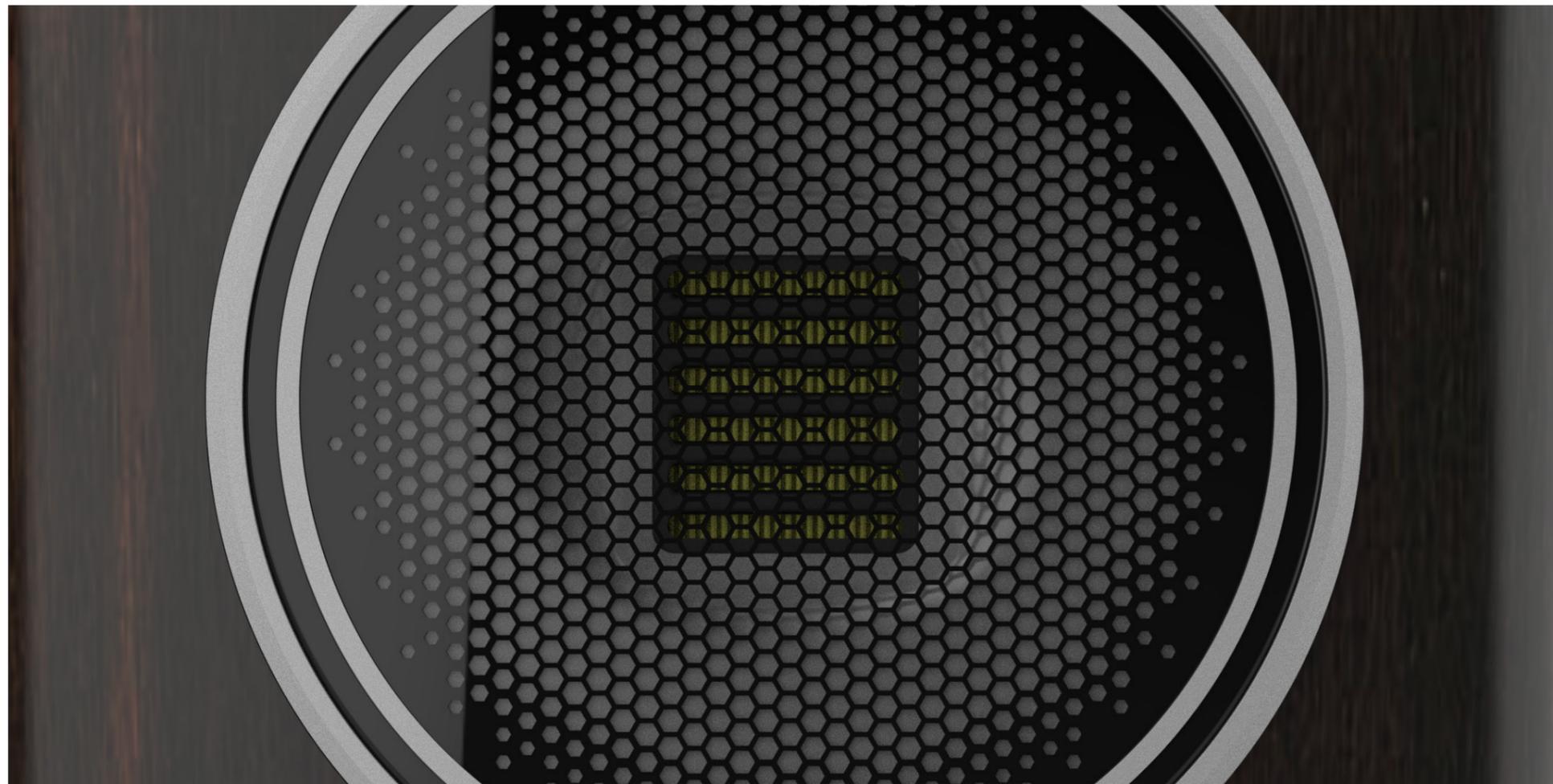


# Pinpoint accuracy for lifelike sound

## New MPD III high frequency transducer

- Developed for our ground-breaking Hyphn loudspeaker
- Micro Pleated Diaphragm (MPD) extends tweeter passband to  $>60$  kHz (compared to  $>40$  kHz for a typical AMT)
- Square radiating area ensures equal directivity in horizontal and vertical planes, resulting in an improved soundstage
- Optimised rear volume to ensure minimal ripple in audible frequency range, with gentle rise on-axis to deliver exceptional detail
- Optimised waveguide to give controlled directivity and radiation impedance matching, further improving soundstage and maximising sensitivity

The MPD III Tweeter delivers a larger, clearer, and more consistent sound. Music and film are delivered with precision and clarity, allowing the listener to enjoy levels of accuracy and detail beyond what they have experienced before.



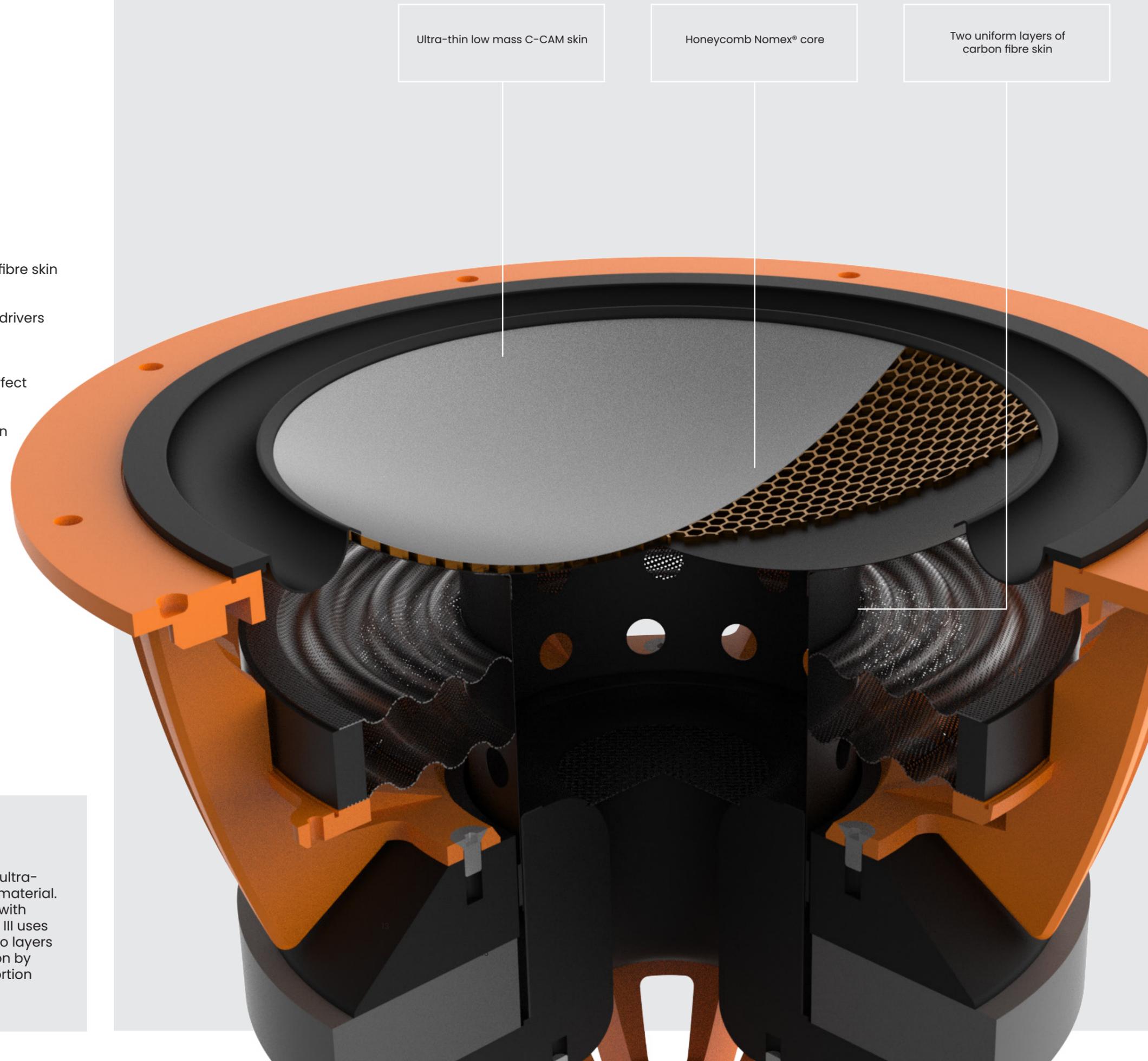
# Vocals have never sounded this clear

## New RDT III cone

The Rigid Diaphragm Technology III (RDT III) cone has three improvements over its predecessor

- A new rear layer featuring two uniform layers of carbon fibre skin to reduce cone breakup
- Optimised cone edge treatment to extend passband of drivers
- Optimised rubber surround to reduce cone breakup

Super light, yet super strong, the RDT III cone works like a perfect piston. The drivers produce mid and low frequencies with dexterity, and bass is tight and articulate. The result is Platinum 3G mid and bass drivers boast the lowest distortion of any Monitor Audio speaker in its history.



## What is Rigid Diaphragm Technology III (RDT III)?

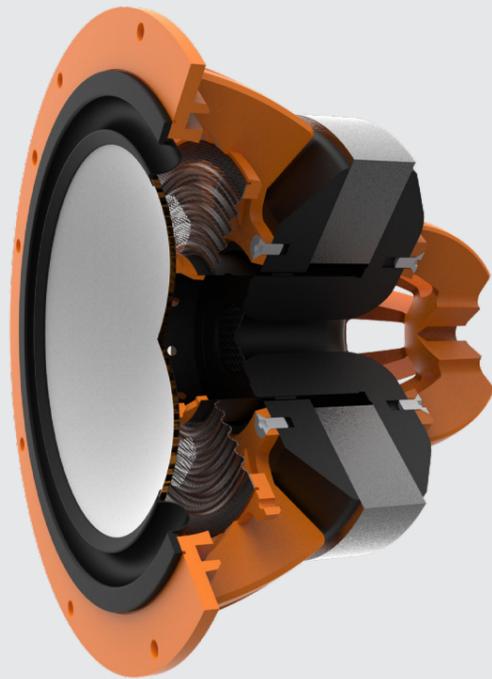
RDT III cone is a composite 'sandwich' structure made from ultra-thin low mass skins, bonded to a honeycomb Nomex® core material. It is very light and very strong, meaning that it can respond with great speed without bending - just like a perfect piston. RDT III uses C-CAM for the front skin, while the rear skin is made from two layers of carbon fibre material. The new structure reduces distortion by over 8 dB above 300 Hz, which makes RDT III the lowest distortion cone technology in Monitor Audio's history.

# High power handling, high sensitivity, wide directivity

## New Platinum 200 & 300 mid-range driver

- Extensively re-engineered from Platinum 2G drivers
- Now featuring the RDT III cone and surround enhancements, which increase the bandwidth allowing smoother and more consistent crossover with the tweeter
- Dynamic Coupling Filter (DCF) mechanism for more natural sound and control of the cone breakup above the crossover frequency
- Underhung edge-wound voice coil
- High-strength Neodymium magnet
- Very high excursion for a mid-range driver

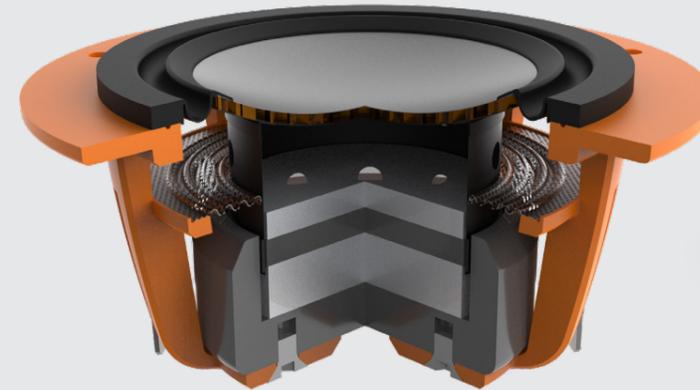
The result, is higher power handling, higher sensitivity and much improved overall clarity within the midrange presentation, making vocals and details more precise and lifelike.



## New centre channel mid-range driver

- Based on the design developed for our flagship, THX-certified Cinergy loudspeakers
- The optimised motor system and smaller radiating area retains the same power handling of the old PLC350 II and allows a more compact form without compromising performance
- A compact 2.5" radiating area gives wide directivity for better coverage, improving off-axis speech intelligibility

The new centre mid-range driver delivers the punch and impact required to service the dynamics of any music or film score, while producing the widest directivity possible to propel any listener within the environment into a fully immersive life-like soundscape.



## New bass driver

- Significant improvements over the Platinum 2G bass drivers
- The RDT III cone and surround enhancements increase the bandwidth allowing smoother and more consistent crossover with the mid-range/tweeter
- Dynamic Coupling Filter (DCF) mechanism on 6" drivers for more natural sound and control of the cone breakup above the crossover frequency
- Underhung single-layer edge-wound voice coil
- Black motor structure for better thermal stability
- Cast aluminium chassis ADC12
- Large voice coil diameter (75mm voice coil on 8" driver and 50mm voice coil on 6" driver) keeps the driver cool, even in the most demanding scenes. This produces loud and dynamic bass with the lowest distortion of any driver we've ever made.



# The definition of elegance

Platinum Series 3G's cabinet design is completely new. Beautifully detailed and expertly crafted, our industry-leading attention to detail and outstanding quality control ensures that each cabinet is as elegant and refined for the eyes as it is engineered for total acoustic performance.

Constructed using laminated layers of MDF to form a curved and braced super-rigid 18-21mm cabinet on the rear, while a 36mm thick baffle is precision machined to create a unique curved front profile.

The cabinets are then embellished with etched inlays to highlight the craftsmanship, before 16 layers of lacquer are added on top.



Piano Black



Piano Ebony



Pure Satin  
White



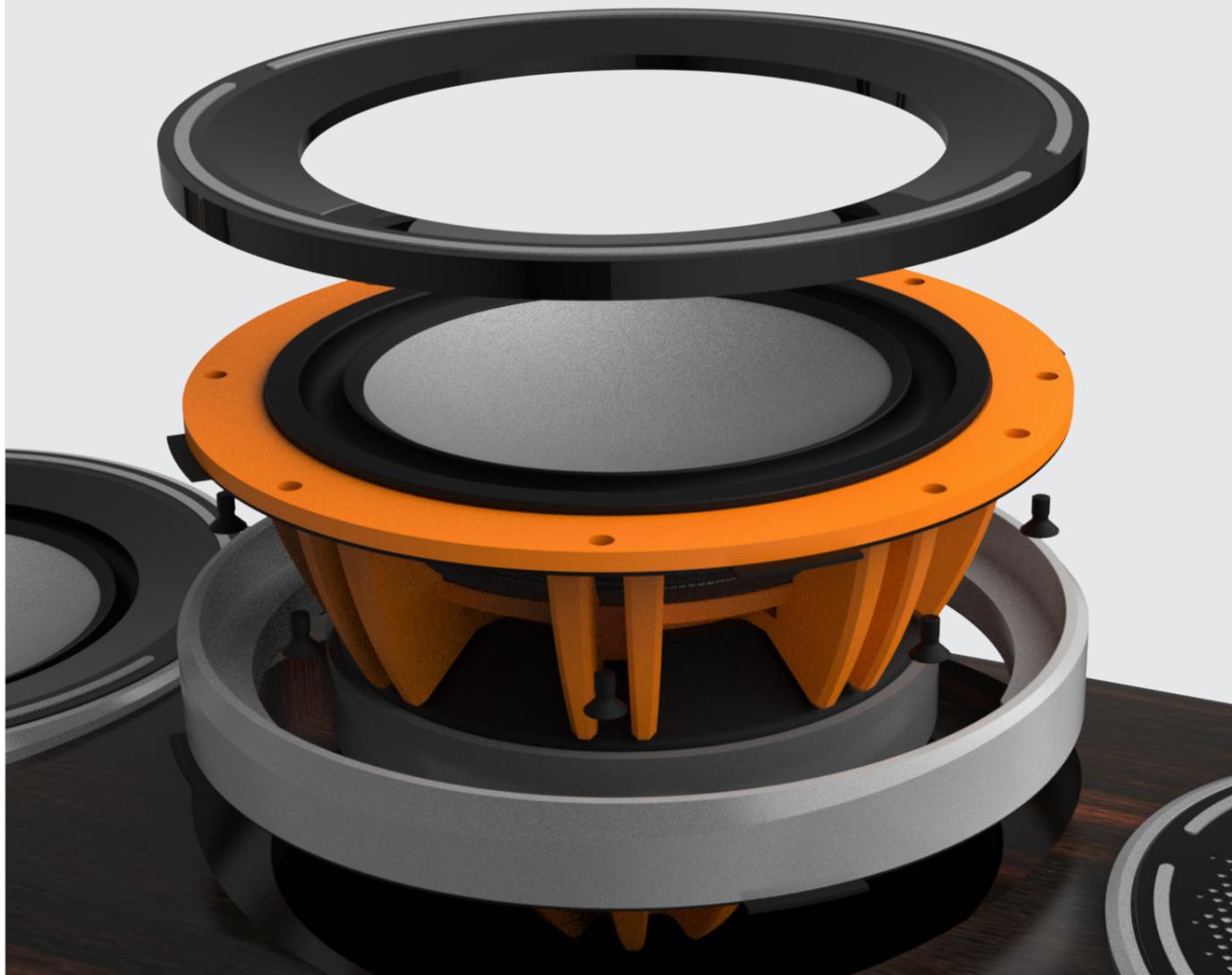
# Form follows function

## New Aluminium Driver Frames

The drivers on the Platinum Series 3G are held in place with individually cast aluminium holders, creating two layers of isolation between the driver chassis and the cabinet.

Beneath the surface and running from front to back within the cabinets are through-bolt driver tension rods that secure the drivers to the cabinet. This adds exceptional strength and rigidity, and creates a cabinet that is almost completely inert and vibration free.

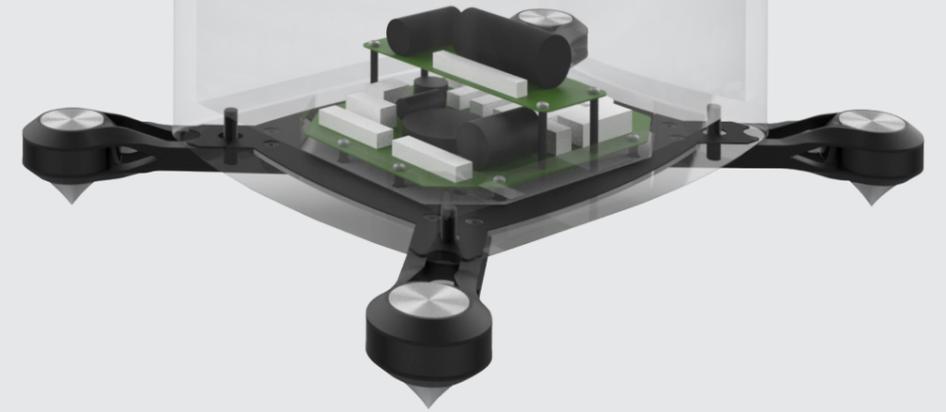
The combined effect of the elimination of unwanted vibration between the drivers and cabinet, with additional cabinet rigidity ensures a purer delivery of sound across all frequencies – all the listener hears is clean, precise lifelike sound.



## New Plinth and Crossover Assembly

Platinum Series 3G has replaced the traditional plinth arrangement with four new cast outrigger assemblies held together with a steel brace.

This super-strong structure doubles as the mounting for the crossover, isolating it from the cabinet.



## New Driver Bolt

Platinum Series 3G features a large Torx head driver bolt for easy adjustment of the through-bolt tension rods, which secure the drive units to the cabinet.

Each set of speakers also comes with a unique walnut-handled adjustment tool as part of the Platinum tool kit.

Cleverly considered design delivers ergonomic excellence for the customer.



# Putting our best foot forward

The new Platinum outrigger foot assemblies have been precision engineered to form a solid platform for the floorstanding speakers while presenting a more elegant aesthetic compared to a cumbersome plinth.

Each of the four foot assemblies features ten parts, developed just for this range.

The outrigger is formed with two precision cast aluminium frames, which hold a completely new captive foot and spike assembly.

The spike assembly is accessed and adjusted via the removable spun anodised disc on the top of each assembly, meaning no fiddly adjustment from the bottom of the speaker.

The small details count – enhancing customer experience even further.



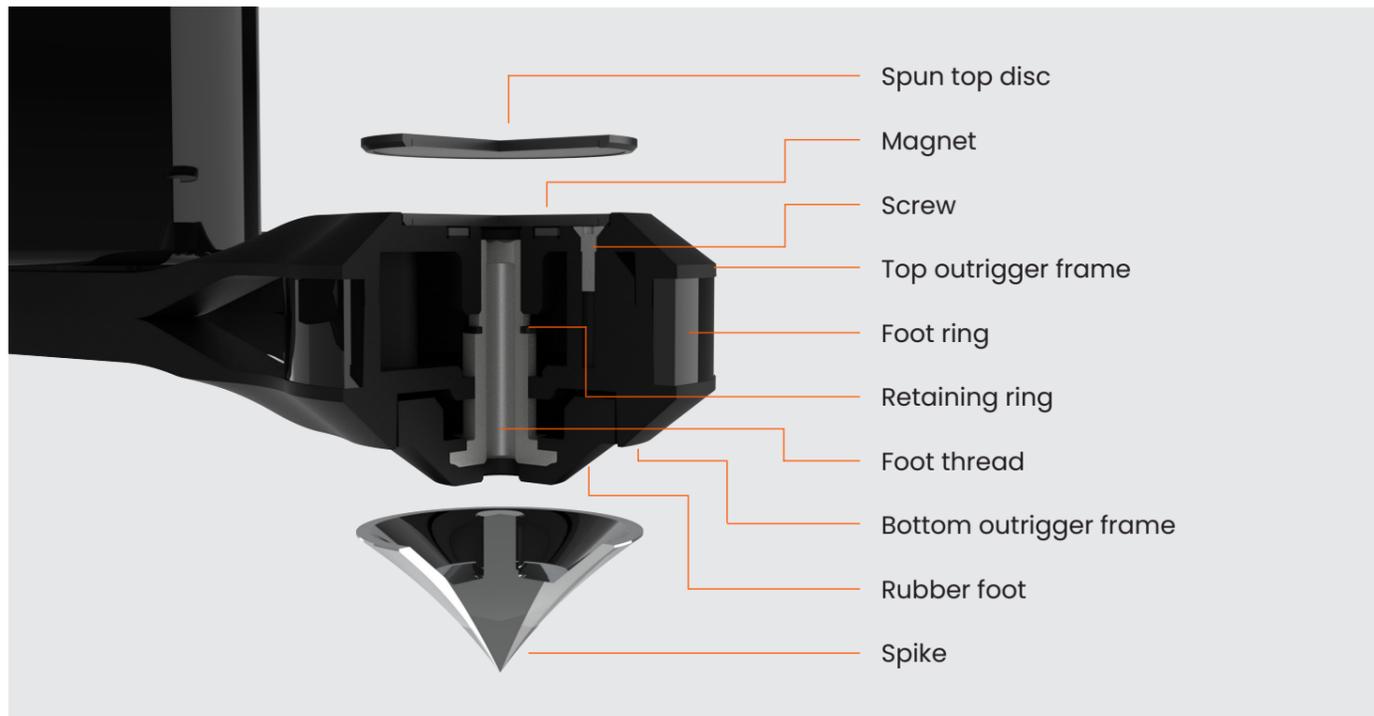
Fully Contracted  
for use on carpet



Fully Extended  
for use on carpet



Without Spike  
for use on hard floors



# Platinum 100 3G

The Platinum 100 3G is a compact 2-way speaker. With the new RDT III mid-bass driver cone, and MPD III Tweeter, the Platinum 100 3G has been significantly improved over the previous generation. Its larger cabinet also allows for significant improvements in cabinet bracing.

Sound is presented with a purity and precision that makes the Platinum 100 3G an utterly compelling experience. Plus, the speaker includes mount points for the Platinum 2G Stand and the forthcoming universal stand, which will be available soon.



# Platinum 200 3G

The Platinum 200 3G is a slim and compact floorstander, designed to deliver a rich, dynamic high-end performance with tight, controlled bass.

The new MPD III tweeter and RDT III mid-range and bass driver cones have further refined the overall balance of the speaker and reduced distortion, providing an exceptionally large soundstage from a relatively diminutive form.

Both the Platinum 200 3G and Platinum 300 3G benefit from the new cast outrigger and crossover mounted plinth assembly (as detailed in the design features).



# Platinum 300 3G

The Platinum 300 3G is the flagship of the Platinum Series. It represents the absolute pinnacle of what is achievable at its price-point in terms of both performance and materials.

The combination of the innovative new MPD III tweeter, RDT III mid-range and bass driver cones, allows the speaker to deliver exceptional scale and depth. With a totally immersive soundstage and believably lifelike performance, 300 3G's presentation of music and film is astonishing.

The Platinum 300 3G's expertly crafted design and innovative acoustic system performance, ensures that it will remain relevant for a lifetime .



# Platinum C250 3G

The Platinum C250 3G replaces both the old Platinum C150 2G and C350 2G. A single home cinema centre channel offering the best of both worlds.

Designed to deliver increased performance in a more compact cabinet arrangement than previous models, C250 3G presents a powerfully detailed performance, while being easy to position for the ultimate Platinum home theatre system.

It benefits from the latest MPD III tweeter and 3" RDT III mid-range driver, which combine to increase directivity and dynamic range. Delivering a truly immersive and realistic performance – the centre of any home theatre system – its impact and ability to propel a listener to the very heart of the action is undeniable.



# Platinum In-Wall 3G 3G

Platinum In-Wall 3G is Monitor Audio's flagship high-performance, architectural in-wall loudspeaker. It is designed for use in high-end theatre and two-channel stereo systems, where accurate, clear and lifelike sound is required with the minimum of room intrusion but with maximum scale and sonic impact.

Platinum In-Wall 3G can be positioned either vertically or horizontally, which means it can be utilised anywhere within a system and is ideal for LCR applications and for seamless tonal accuracy within a theatre system.



# Specifications

Model	Platinum 100 3G	Platinum 200 3G	Platinum 300 3G	Platinum C250 3G
System Format	2-way	3-way	3-way	3-way
Frequency response (-6dB) Free-Field	37 Hz - >60 kHz	32 Hz - >60 kHz	25 Hz - >60 kHz	48 Hz - >60 kHz
Frequency response (-6dB) In room	28 Hz - >60 kHz	23 Hz - >60 kHz	17 Hz - >60 kHz	30 Hz - >60 kHz
Sensitivity (2.83v @ 1m)	85 dB	88 dB	88 dB	88 dB
Nominal impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Minimum impedance	4.0 Ohms @ 180 Hz	4.0 Ohms @ 150 Hz	4.0 Ohms @ 3.75 kHz	4.0 Ohms @ 150 Hz
Continuous Power Handling (RMS into 4 Ohms, Pink Noise with 6dB Crest Factor)	150 W	300 W	400 W	300 W
Recommended Amplifier Power (RMS into 4 Ohm, Music Signal)	75-300 W	150-600 W	200-800 W	150-600 W
Bass Alignment	HiVe II port system	HiVe II port system	Dual HiVe II port system	Sealed
Crossover Frequency	LF/HF: 2.85 kHz	LF/MF: 825 Hz/MF/HF: 3 kHz	LF/MF: 650 Hz/MF/HF: 3 kHz	LF/MF: 850 Hz/MF/HF: 3.5 kHz
Port Tuning Frequency	44 Hz	38 Hz	32 Hz	N/A

Drive Unit Complement	1 x 6" RDT III bass driver, 1 x MPD III tweeter	2 x 6" RDT III bass driver, 1 x 4" RDT III mid-range driver, 1 x MPD III tweeter	2 x 8" RDT III bass driver, 1 x 4" RDT III mid-range driver, 1 x MPD III tweeter	2 x 6" RDT III bass driver, 1 x 2.5" RDT III mid-range driver, 1 x MPD III tweeter
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External Dimensions including Grille and Terminals (H x W x D)	398 x 225 x 325 mm 15.6 x 8.8 x 12.7"	1023.2 (1031.4)* x 368 x 454 mm 40.2 (40.6)* x 14.4 x 17.8"	1112.7 (1120.9)* x 430 x 525 mm 43.8 (44.1)* x 16.9 x 20.6"	225 x 630 x 326 mm 8.8 x 24.8 x 12.8"
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External Dimensions including Outrigger Feet and Spikes (H x W x D)	N/A	1039.7 (1047.9)* x 368 x 454 mm 40.9 (41.2)* x 14.4 x 17.8"	1129.2 (1137.4)* x 430 x 525 mm 44.4 (44.7)* x 16.9 x 20.6"	N/A
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Weight (Each)	15.2 kg 33 lb 8 oz	35.8 kg 78 lb 14 oz	53.6 kg 118 lb 2 oz	25.4 kg 55 lb 15 oz
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Finishes	Piano Ebony, Piano Black, Matte White			
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Model	Platinum In-Wall 3G
System Format	3-way
Frequency response (-6dB) Free-Field	41 Hz - >60 kHz
Frequency response (-6dB) In room	27 Hz - >60 kHz
Sensitivity (2.83v @ 1m)	88 dB
Nominal impedance	4 Ohms
Minimum impedance	4.1 Ohms @ 1.6 kHz
Continuous Power Handling (RMS into 4 Ohms, Pink Noise with 6dB Crest Factor)	300 W
Recommended Amplifier Power (RMS into 4 Ohm, Music Signal)	150-600 W
Bass Alignment	Sealed
Crossover Frequency	LF/MF: 825 Hz MF/HF: 3 kHz
Port Tuning Frequency	N/A

Drive Unit Complement	2 x 6" RDT III bass driver, 1 x 4" RDT III mid-range driver, 1 x MPD III tweeter
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External Dimensions including Grille and Terminals (H x W x D)	1207 x 332 x 105.5 mm 479/16 x 131/16 x 44/16"
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Cut Out Dimensions	1175 x 300 x 97.5mm 461/4 x 1113/16 x 313/16"
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Weight (Each)	27.7 kg 61 lb
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Finish	Black
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# Pricing

Platinum 300 3G - RRP £11,500 / €13,250 / \$15,500 pair

Platinum 200 3G - RRP £9,000 / €10,250 / \$12,000 pair

Platinum 100 3G - RRP £4,500 / €5,250 / \$6,000 pair

Platinum C250 3G - RRP £3,500 / €4,500 / \$5,250 piece

Platinum In-Wall 3G - RRP £4,250 / €5,600 / \$6,000 each



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