

LOWTHER

2025 Catalogue

*Craftsmanship That Transcends Time.
Sound That Transforms Space.*



90 Years and Counting

For nearly a century, Lowther has perfected the art of acoustic reproduction. Each creation is meticulously handcrafted in Great Britain, embodying a heritage of excellence that began in 1934 when Paul Voigt and O.P. Lowther first reimagined what sound could be. Our collection represents not merely audio equipment, but acoustic instruments that reveal music in its most authentic form.

Founded by O.P. Lowther and Paul Voigt in London, England with origins that trace back to 1924, Lowther is among the oldest surviving loudspeaker brands in the world.



British Heritage. Timeless Sound.



The Lowther Journey

It is perhaps natural for a creator of acoustic instruments to contemplate the nature of sound. Is sound fundamentally personal? Is it embodied in those moments when music moves beyond just listening to become an experience that defines us? A Lowther is your companion for these journeys through music and emotion.

In 1934, Paul Voigt unveiled the Domestic Corner Horn.

This nearly century-long journey has witnessed Lowther's continuous refinement of the art of acoustic craftsmanship: innovations in full-range reproduction, creation of folded horn cabinet designs that reveal music's authentic character, and a commitment to handmade excellence that stands in deliberate contrast to the mass production that dominates our modern world.

In Harmony with Nature

Our deep connection to traditional British craft, informs everything we create.

We select materials with this natural authenticity in mind. The woods for our cabinets are sustainably sourced and carefully matched. Our paper cones are treated with proprietary formulations and cured in natural sunlight or UV Cabinets.

Where modern manufacturers pursue novelty, we seek timelessness. Where others embrace synthetic shortcuts, we embrace natural materials enhanced by careful craftsmanship. The result is not merely equipment - it is an instrument that reveals music's very soul.



The Lowther Norfolk Atelier

In our Norfolk workshop, set in the quiet English Fens, master craftsmen maintain traditions nearly vanished from the modern world. Here, the legendary Lowther sound begins with our proprietary paper treatment process. Each diaphragm is individually laser-cut and hand-assembled, with signature double-wound speech coils positioned to tolerances measured in fractions of a millimetre.

This painstaking approach draws from Britain's rich heritage of precision engineering. Like the finest British luthiers, we understand that true excellence emerges only from uncompromising attention to every detail.

A Lasting Legacy

In an age of disposable technology, a Lowther stands apart. Like the finest Swiss timepieces or bespoke tailoring, a Lowther acoustic instrument is not merely acquired; it is commissioned, experienced, and ultimately, passed down - a testament to enduring values in an ephemeral world.





The Complete Lowther Sound

In an era of complexity, Lowther stands for simplicity. Our high-efficiency, single full-range drivers create a unique acoustic signature.

While typical loudspeakers struggle to achieve efficiency levels of 90dB, Lowther instruments in our bespoke cabinets effortlessly exceed 100dB. This remarkable efficiency demands not raw power, but control and purity of signal.

To complete the Lowther experience, we have reimagined our PX4 valve amplifier designs from the early twentieth century, refined with contemporary engineering to create the perfect companion for our acoustic instruments.

The final link in this acoustic chain - our Premium Speaker Cables - are handcrafted in Great Britain using techniques and materials that preserve the delicate musical information conventional designs sacrifice.

Together, these elements form not merely a reproduction system, but a complete Lowther sound.

Visitors to the Lowther Listening Room speak not of technical attributes, but of emotional connection - of rediscovering familiar recordings with newfound intimacy and insight.

We invite you to experience music as it was meant to be heard.



Lowthers Signature Natural Sound, Refined.



The PX4 Valve Amplifier

Purity of Signal

The Lowther PX4 Valve Amplifier represents the harmonious convergence of heritage and innovation - a modern interpretation of our amplifiers from the 1940s and 1950s. Built around the legendary British PX4 valve, this masterpiece of acoustic engineering offers a listening experience that transcends mere specifications.

At its heart are two pairs of Direct Heated Triode PX4 valves - chosen not for their power output, but for their unrivalled ability to reveal musical truth. Delivering 10 watts per channel of exquisite sound, this amplifier embodies our philosophy that true fidelity comes not from brute force, but from purity of signal reproduction.

Every element has been meticulously considered, from the custom-wound transformers crafted in Dorset to the point-to-point wiring that eschews printed circuits in favour of a construction method that enhances both reliability and sonic qualities. The chassis, precision-machined from aluminium and finished with a bespoke powder coating, completes an instrument that is as beautiful to behold as it is to experience.

When paired with Lowther's full-range drivers, the PX4 amplifier creates a synergy that must be experienced to be fully appreciated - revealing layers of musical nuance and emotional resonance that remain hidden to lesser systems.

Available as a custom order directly from Lowther and official Lowther representatives only.



The back of the Lowther PX4 Amplifier (above)
Vintage Lowther Amplifiers (below)



Amplifier topology:	PX4 Class-A push-pull
Valves fitted:	4 x PX4 (output), 2 x 6SN7, 2 x 6J5, 1 x 5U4G / 5AR4
Bias arrangement:	Automatic cathode bias
Rated output power:	10 W + 10 W into 6 Ω
Frequency response (-3 dB):	10 Hz – 45 kHz
Signal-to-noise ratio:	93 dB
Input:	Main In x 1
Input sensitivity/impedance:	1 V rms for rated power / 300 kΩ
Variable feedback range:	0 dB – 10 dB (user adjustable)
Speaker outputs:	6 Ω binding posts
Power consumption:	200 W (maximum)
Dimensions (W x D x H):	330 mm x 430 mm x 240 mm



Premium Cables

The Final Part of the Chain

Lowther Premium Speaker Cables represent a fundamentally different approach to signal transmission. Unlike 99.9% of audio cables that employ conventional construction methods, these are handmade in Great Britain to complement the capabilities of our acoustic instruments.

We begin with 99.99% pure silver, certified and made in Great Britain. We then selectively blend with gold & copper alloys chosen for their sonic characteristics. Rather than conventional plastic insulation, these conductors are meticulously braided in cotton - nature's superior dielectric with remarkable properties that synthetic materials cannot match.

This specialised construction creates a crucial difference: only 20% of the wire contacts the insulator, with the remaining 80% surrounded by air - the ideal dielectric. The result is dramatically reduced micro-vibrations, eliminated triboelectric noise, and pristine signal transfer that preserves the full emotional impact of the performance.

Our braided signal conductors are precisely twisted together to naturally cancel electromagnetic interference without the need for conventional shielding that would suffocate the sound. Each finished cable is adorned in our signature British Racing Green braid and terminated with high-quality silver or gold-plated pure copper connectors.

Like every Lowther creation, these cables represent the perfect union of traditional craftsmanship and acoustic excellence.

Available Cables:

*Lowther RCA Interconnects, Lowther Speaker Cables,
Lowther USB, Lowther SPDIF, Lowther Mains Cable, Lowther
Mains Filter*



*The Lowther PX4 with cables (above)
Lowther Premium Cables (below)*





Lowther Loudspeakers

Acoustic Masterpieces

Handcrafted, folded-horn cabinets housing our legendary full-range sonic instruments. Each piece is individually created by master craftsmen using techniques developed and refined over nine decades. Every single one, individually numbered and crafted to order.





The Lowther Hegeman

A Legendary Collaboration Reborn

The result of an historic collaboration between Donald Chave and Stewart Hegeman, the Lowther-Hegeman represents our most exclusive acoustic masterpiece. This extraordinary creation pays homage to the iconic design of the 1950s while incorporating subtle refinements that elevate its performance to unprecedented heights.

Where the original employed a plaster horn, our modern interpretation utilises a hybrid acrylic/plywood laminate structure, enhancing both durability and acoustic properties. Designed to house either our innovative field coil driver or the exceptional PM4A Philharmonic, the Lowther-Hegeman delivers an unparalleled listening experience that reveals the very soul of music.



The original Hegeman Reproducer 1954 (above)
Stewart Hegeman c1961 (below)

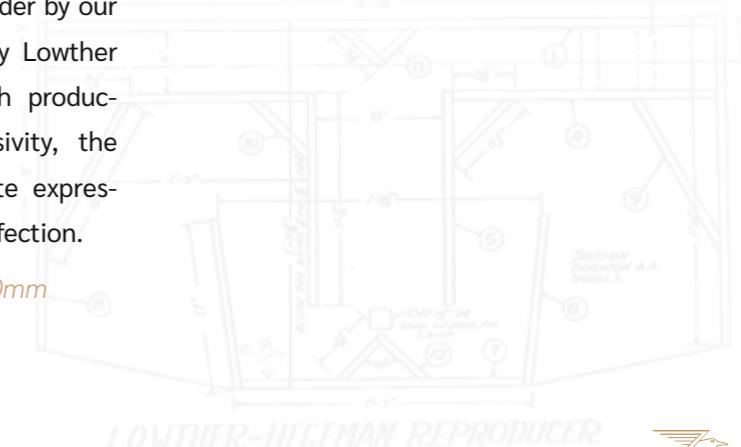


The new Lowther Hegeman

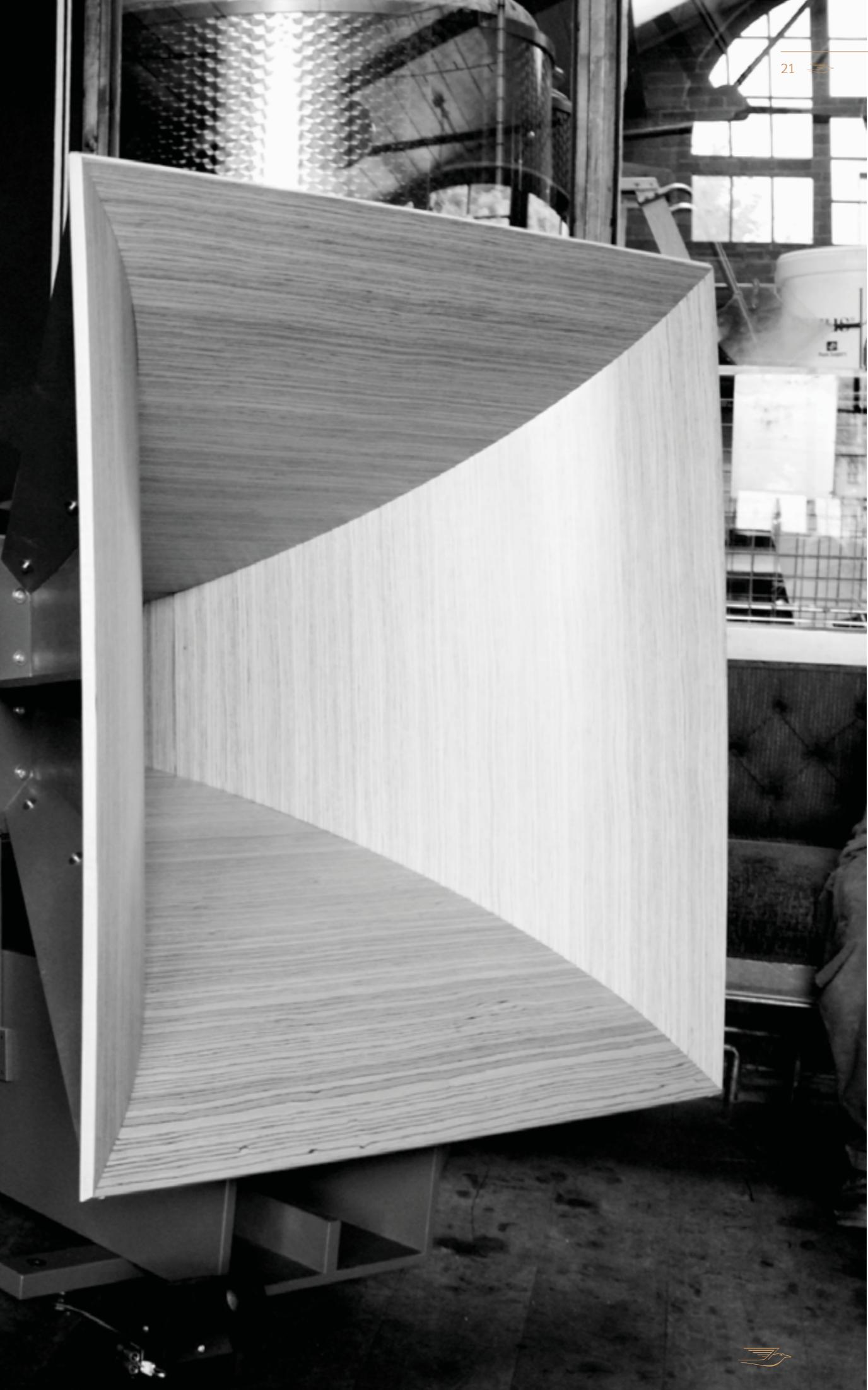
Each Lowther-Hegeman is handmade to order by our master craftsmen and can be installed by Lowther specialists in the client's residence. With production strictly limited to maintain exclusivity, the Lowther-Hegeman represents the ultimate expression of Lowther's dedication to acoustic perfection.

Dimensions: W1130mm x D600mm x H1140mm

Instrument: Lowther Field Coil



LOWTHER-HEGEMAN REPRODUCER



The Voigt Horn

A Century of Acoustic Excellence

The 4ft Voigt Horn represents a remarkable resurrection of Paul Voigt's pioneering acoustic vision from the 1920s - a design of such fundamental brilliance that it remains unrivalled a century later.

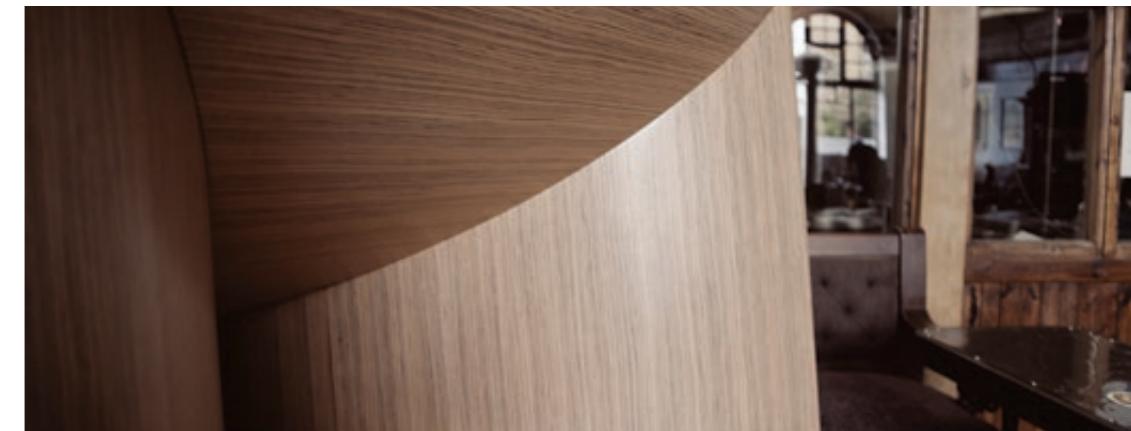
For the first time, Lowther presents a complete stereo pair of these instruments, faithfully recreated from Voigt's original mathematics and enhanced through modern craftsmanship. Each horn follows the precise tractrix profile that defined Voigt's revolutionary approach to sound reproduction, with every angle and vector carefully calculated to maintain the geometric integrity of his design.

Where the originals were industrial creations destined for



Lowther Co-founder, Paul Gustavus Adolphus Helmuth Voigt in 1924 (above).

Stereo Pair of the Lowther Voigt Horn, showcased on the 100th Anniversary at Phipps Brewery, England in 2024 (below).



active - an imposing presence that delivers a listening experience of directness and emotional impact. As our craftsman notes, "We're going backwards 100 years to go forwards, yet we haven't really gone anywhere in that century. All the thinking and quality of sound was already there."



cinemas, our master craftsman Malcolm has reimagined these masterpieces for the discerning domestic environment. The interior of each horn is elegantly veneered, while the exterior maintains the industrial heritage that speaks to the horn's authentic lineage. Modern materials—stainless steel fixings, advanced resin adhesives, and precision-bent plywoods—enhance both aesthetics and acoustic performance without compromising the purity of Voigt's original concept.

The result is both visually striking and sonically transform-

ative - an imposing presence that delivers a listening experience of directness and emotional impact. As our craftsman notes, "We're going backwards 100 years to go forwards, yet we haven't really gone anywhere in that century. All the thinking and quality of sound was already there."

*Dimensions: W1220mm x D1650mm x H1580mm
Instrument: Lowther Field Coil*





The AudioVector

Acoustic Grandeur Redefined

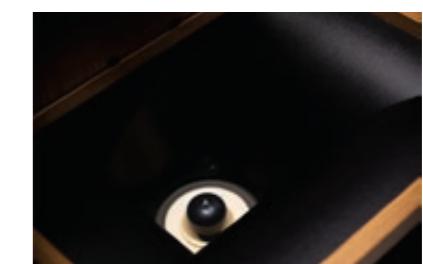
The AudioVector marks Lowther's triumphant return to cabinet making after decades, representing our heritage reimagined for the modern connoisseur. This rare and exceptional creation stands as a testament to British craftsmanship at its finest.

Distinguished by its dual-driver configuration and signature top dispersal horn, the AudioVector is designed for spacious environments and those who appreciate sound on a magnificent scale. The careful integration of two complementary Lowther drivers - PM2A (front) and PM4A (top) - creates a soundstage of exceptional depth and dimension.

Handmade to order in Great Britain and available in either monophonic or stereo pairs, the AudioVector is



PM2A Front Instrument (above)
PM4A Top Instrument (below)



produced in extremely limited quantities, ensuring its place as a coveted treasure among the world's most discerning audio enthusiasts.

Dimensions: W685mm x D600mm x H1380mm

Instruments: PM4A Philharmonic, PM2A Sinfonia



The TP2

The Dual-Loaded Horn Masterpiece

The TP2 is a direct evolution of one of the legendary Lowther early folded corner horn designs. Employing Voigt's innovative principles, which impose mechanical resistance to both the front and back surfaces of the diaphragm through the expansion of top and bass horns.

The result is an efficiency and scale of sound typically associated only with physically larger horns—a presence that transforms any listening space into a concert hall. Crafted from the finest Baltic Birch plywood with vacuum-laminated top horn curves and precisely balanced double tapers, the TP2 represents engineering excellence in service of musical truth.



The TP2 effectively using room corners to amplify the sound.



Each TP2 is assembled by hand and can be complemented with our top-mounted, moveable horn-loaded SuperTweeters for those seeking the ultimate in high-frequency reproduction.

Dimensions: W820mm x D600mm x H1055mm

Instrument: PM4A Philharmonic



The Almira

Acoustic Harmony in Perfect Balance

Named after the principal character in Handel's first opera, the Almira embodies Lowther's single-driver philosophy augmented by our own horn-loaded Super-Tweeter - the first completely new Lowther development in many years. At its heart is the exceptional PM7A Philharmonic, positioned within a 2.3-metre folded quarter-wave Voigt horn.

The Almira preserves musical integrity by eliminating crossovers, allowing you to experience the natural presentation that only a single-point sound source can provide. Its precisely calculated cabinet architecture delivers articulate bass that belies its modest dimensions.

The interior construction eliminates the need for damping materials that would compromise sound purity. The result is exceptional clarity from a cabinet whose elegant proportions complement contemporary living spaces.

Dimensions: W300mm x D330mm x H1200mm

Instrument: PM7A Philharmonic



The Almira in Rosewood with the PM7A Philharmonic





The Edilia

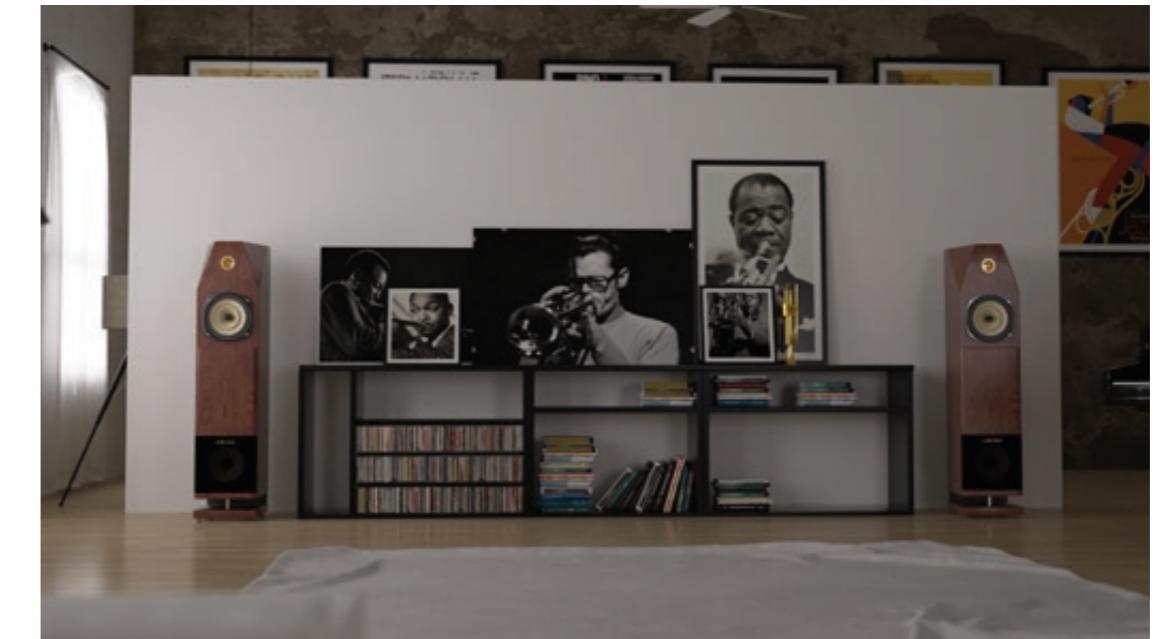
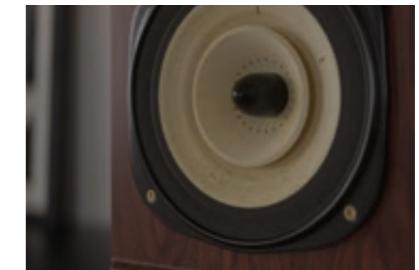
Evolution in Harmonic Balance

Named after another principal character in Handel's first opera, the Edilia shares the same architectural principles as the Almira. At its heart is the PM7A alnico full-range driver, carefully paired with a modified DX2 tapped bass driver situated at the narrow end of the Voigt pipe.

This sophisticated system reproduces music across the entire spectrum without crossovers that would compromise the purity of sound. The Edilia's most remarkable innovation is its adjustable bass optimisation system, allowing for precise tuning to complement your specific listening environment through a passive L-Pad attenuator on the bass driver.



*The Edilia's DX2 Bass Instrument (above)
The PM7A Philharmonic (below)*



With its modest footprint yet commanding presence, the Edilia delivers the full Lowther experience in a form that harmonises perfectly with contemporary interiors.

Dimensions: W300mm x D330mm x H1200mm

Instruments: PM7A Philharmonic, DX2 Bass Sinfonia



The Acousta Quarter Wave

Where Art Meets Architecture

There is a profound beauty in natural sound - in hearing an artist's intention in every note, unaltered and true. The Acousta Quarter Wave embodies this philosophy while answering a question we've contemplated for decades: What if this acoustic purity could be achieved without speakers becoming the focal point of your living space?

Engineered with the flexibility of positioning anywhere in a room, to fire at a precise 45° angle, the Quarter Wave employs a dual vented rear horn to produce clean, tight bass with the signature Lowther clarity. This ingenious design allows these remarkable instruments to integrate unobtrusively into your living environment - placed behind furnishings while still delivering uncompromised high-fidelity reproduction.



The Acousta Quarter Wave represents acoustic architecture at its most refined - where technical excellence meets aesthetic discretion. Experience your cherished recordings as they were intended to be heard, from an instrument that complements rather than dominates your living space.

Dimensions: W250mm x D480mm x H830mm

Instrument: PM7A Philharmonic



The PM7A Philharmonic at a precise 45° angle of the Acousta Quarter Wave.





The Acousta 117

The Timeless Classic, Refined

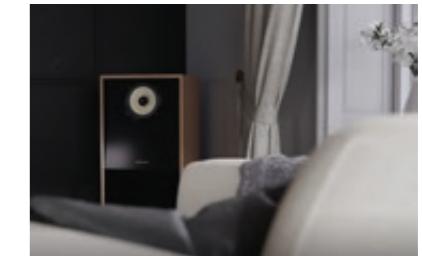
The Acousta 117 represents the latest evolution of our most renowned and versatile acoustic masterpiece. This front-exit folded horn design from the 1950's has been continually refined since its inception, making it suitable for a remarkable range of room sizes and listening preferences.

The 117 retains the original horn geometry that has made the Acousta series legendary while incorporating modern materials and construction techniques. Baltic Birch plywood of increased thickness, and precision-engineered internal labyrinths combine to create a cabinet of exceptional rigidity and acoustic integrity.

Paired with our PM7A Philharmonic instrument, the Acousta 117 delivers the unmistakable Lowther sound - immediate, detailed, and profoundly musical - in a form that has stood the test of time while continually evolving toward perfection.

Dimensions: W470mm x D375mm x H905mm

Instrument: PM7A Philharmonic



The Acousta 117 in English Oak, complete with the PM7A Philharmonic to complement the natural base delivered by its signature folded horn.





Your Journey with Lowther

Each Lowther acoustic masterpiece is handcrafted to order, allowing for a truly personalised experience. Our clients select from a curated range of premium veneers, each pair matched to create a unique visual signature that complements the distinctive Lowther sound.

We invite you to experience these instruments at our Northampton listening room, where you can audition various configurations with your preferred musical selections in an environment designed for critical appreciation.

Beyond selection, our relationship with you continues with white-glove delivery and installation by Lowther specialists, ensuring that your acoustic masterpiece performs optimally within your specific environment.

This is not merely a purchase; it is the beginning of a relationship with a legacy of excellence that has endured for nearly a century - and will continue to bring musical truth into your home for generations to come.

To arrange a private consultation or listening appointment, please contact us.





Lowther Drive Units

The Heart of Every Lowther

At the core of every Lowther acoustic masterpiece beats a heart of unparalleled craftsmanship - our legendary drive units.

Every Lowther drive unit carries forward a legacy that began with Paul Voigt's single-driver philosophy. Unlike speakers that split frequencies across multiple drivers, each Lowther instrument acts as a unified source - reproducing music with the coherence and immediacy that only single-point driver can achieve.

Handcrafted in our Norfolk atelier using techniques refined over nine decades, our drive units are organised into five collections: Concert offers the quintessential Lowther experience for home builders; Sinfonia elevates this with premium diaphragm technology; Philharmonic instruments enhance further with superior metal work and materials; whilst the exclusive Grand Opera Collection represents the absolute pinnacle of acoustic artistry, available only by commission.





Grand Opera Collection

The Grand Opera Collection represents the absolute pinnacle of acoustic artistry. Available exclusively by commission and priced upon request, these bespoke instruments employ components made with the highest grade permalloys or soft magnetic irons—materials where absolute performance is essential.

Each Grand Opera instrument is uniquely numbered and created entirely to order through a collaborative process between client and craftsman. The result transcends conventional audio reproduction, revealing musical nuances and emotional subtleties that remain hidden to lesser instruments.

This is the ultimate expression of the Lowther acoustic masterpiece for those who accept no compromise in their pursuit of musical truth.

Available Models:
Field Coil Grand Opera
PM4A Grand Opera
PM7A Grand Opera





PM4A Grand Opera

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: Permadure/Remco

PM7A Grand Opera

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: Permadure/Remco



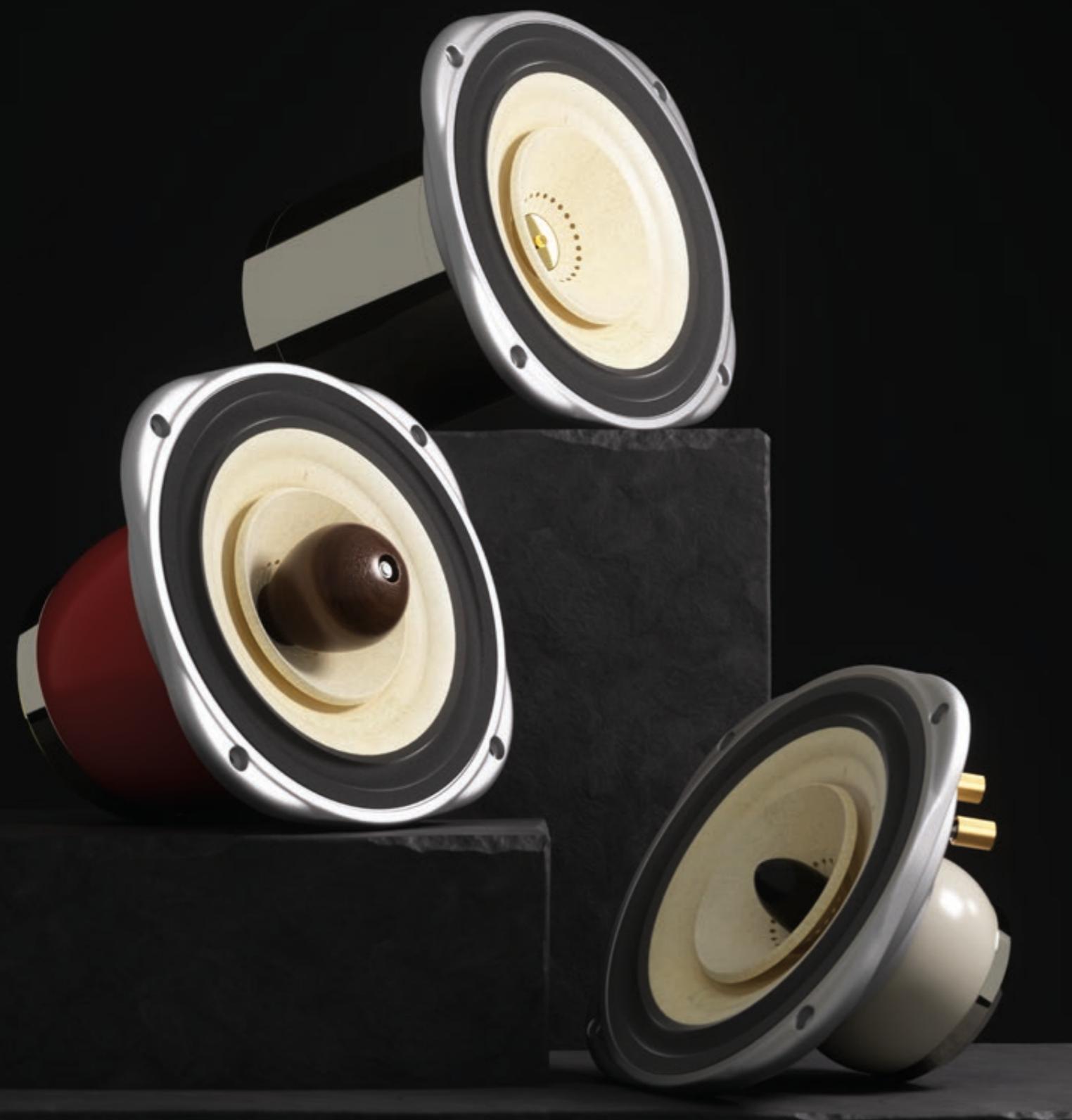
Field Coil Motor Grand Opera

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: Permadure/Remco



Grand Opera
Collection





Philharmonic Collection

The Philharmonic Collection represents our most refined offering of instruments. This selection features only three exceptional designs - PM4A, PM7A, and our Field Coil - each chosen for their perfect embodiment of the Lowther sound that has captivated listeners for generations.

Distinctive, superior engineered metalwork with nickel chrome finishing elevates these instruments to objects of both acoustic and visual beauty. Our Philharmonic drive units combine aesthetic elegance with functional excellence.

The sound character of these instruments - natural, detailed, and emotionally engaging - has been refined through extensive listening tests by our most experienced craftsmen. Small enhancements across the entire spectrum come together to create sonic presentations that connect listeners more deeply with their cherished recordings.

These instruments are the standard fitment in our highest-tier acoustic masterpieces, chosen not only for their technical excellence but for their ability to reveal the heart and soul of musical performances.

Available Models:
Field Coil Philharmonic
PM4A Philharmonic
PM7A Philharmonic





PM4A Philharmonic

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: High Grade EN1A Lead Free Steel

PM7A Philharmonic

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: High Grade EN1A Lead Free Steel



Field Coil Motor Philharmonic

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: High Grade EN1A Lead Free Steel



Philharmonic
Collection





Sinfonia Collection

The Sinfonia Collection elevates the Lowther experience. While maintaining the same range of models as the Concert Collection, each Sinfonia instrument features our newly developed premium diaphragm which has improved cone structures, spiders, a new paper treatment process and enhanced assembly techniques.

The result is a noticeable refinement in clarity, resolution, and tonal accuracy while preserving the essential character that defines the Lowther sound. These instruments offer home builders an opportunity to achieve a higher level of musical reproduction while maintaining the flexibility to incorporate them into custom designs.

Each Sinfonia instrument represents a significant step forward in performance, with improvements in consistency of quality, aesthetics and natural sound presentation, particularly noticeable in transient response, harmonic development, and soundstage precision.

Available Models:

Alnico Series: PM2A, PM3A, PM4A,

PM5A, PM6A, PM7A

Neodymium Series: DX2, DX3, DX4





PM2A Sinfonia

Frame Size: 8 Inch
 Magnet type: Alnico
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 97db



PM3A Sinfonia

Frame Size: 8 Inch
 Magnet type: Alnico
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 93db



PM4A Sinfonia

Frame Size: 8 Inch
 Magnet type: Alnico
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 98db



DX2 Sinfonia

Frame Size: 8 Inch
 Magnet type: Neodymium
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 96db



DX3 Sinfonia

Frame Size: 8 Inch
 Magnet type: Neodymium
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 98db



DX4 Sinfonia

Frame Size: 8 Inch
 Magnet type: Neodymium
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 99db



PM5A Sinfonia

Frame Size: 8 Inch
 Magnet type: Alnico
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 93db



PM6A Sinfonia

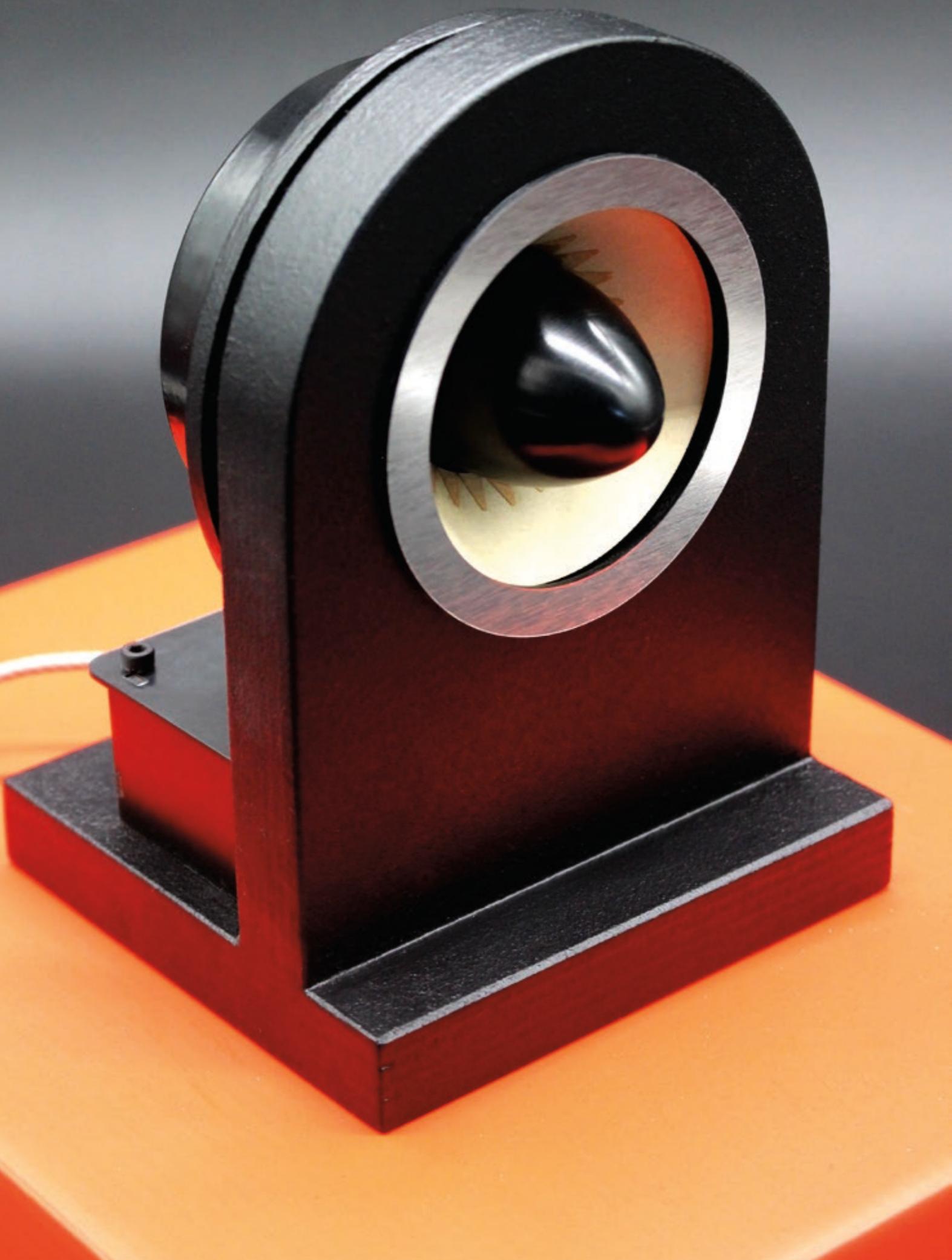
Frame Size: 8 Inch
 Magnet type: Alnico
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 96db



PM7A Sinfonia

Frame Size: 8 Inch
 Magnet type: Alnico
 Voicecoil Options: Aluminium/Silver
 Impedance Options: 8/15 Ohms
 Metal Work: EN1A Lead Free Steel
 Db Efficiency: 96db





SuperTweeter DXT

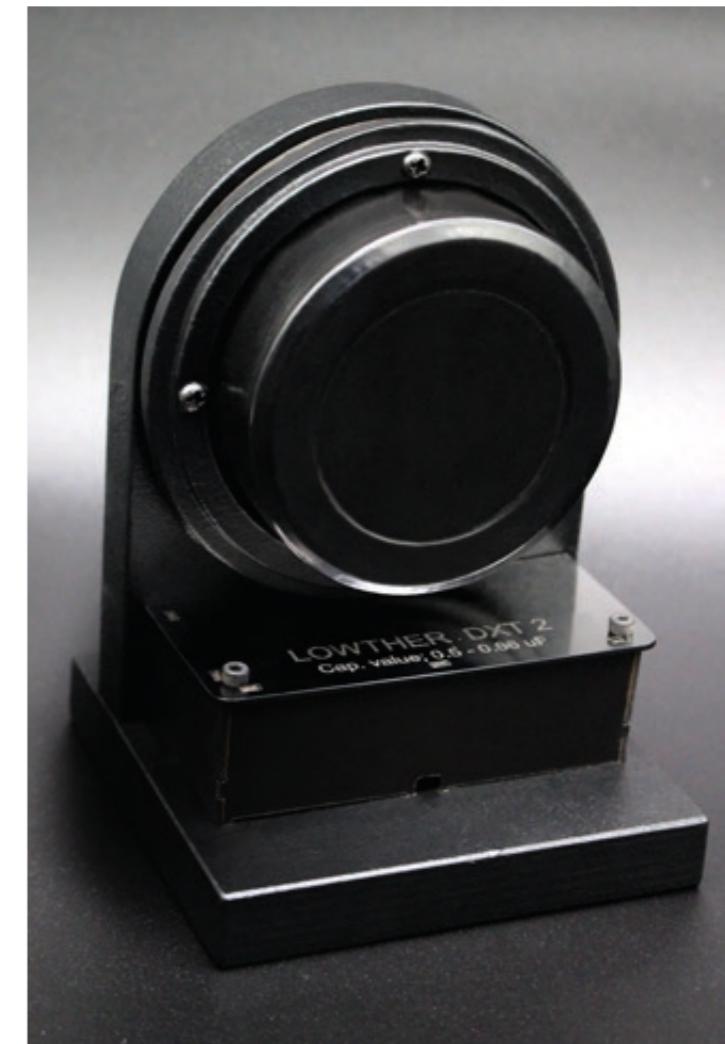
The Lowther SuperTweeter addresses the fundamental challenge of extending high-frequency response whilst preserving the purity of single-driver reproduction. Designed as an integral component of the Almira and Edilia, it is also available as standalone pairs to complement any Lowther cabinet housing our 8" full-range drivers.

Installation is elegantly simple - connecting directly to your cabinet terminals without modification. A carefully selected first-order capacitor creates a gentle slope that seamlessly integrates with the natural roll-off characteristics of the main driver.

Whilst our 8" full-range drivers excel at reproducing the vast majority of musical information, they exhibit a natural decline above 10kHz - a characteristic common to all single-driver designs. Modern high-quality sources reveal musical detail and spatial information that extends well beyond the commonly perceived limits of hearing.

Extensive studio testing demonstrates that listeners across all age groups perceive significant improvements in musical engagement and sound-stage precision, with younger listeners consistently reporting enhanced detail retrieval and three-dimensional imaging.

The SuperTweeter represents the natural evolution of our single-driver philosophy - extending frequency response whilst maintaining essential character. Compatible with our Acousta, Quarter Wave, 4ft Voigt Horn, Edilia, and TP2 cabinets, it completes the Lowther acoustic experience for those seeking ultimate musical reproduction.



Lowther Tweeter powered by the Lowther DX2 (above)
SuperTweeter Specs (below)

Voice coil:	Silver or hi-ferric, 8 or 15 ohm
Magnet:	DX2 or DX3 Neodymium PM6 Alnico
Capacitor:	0.9µF (1st order)
Wiring:	2m
Phase Plug:	Standard Dome (black)
Stand:	Textured Black/Bespoke Veneer
Additions:	Bespoke wiring/terminals





Concert Collection

The Concert Collection offers the original Lowther experience for discerning home builders who appreciate exceptional sound reproduction without compromise. Each drive unit employs our classic Lowther paper treatment and traditional metalwork, handcrafted to our exacting standards.

These sonic instruments provide the foundation of the legendary Lowther sound - immediate, detailed, and profoundly musical - allowing enthusiasts to create custom acoustic environments that reveal music in its most authentic form.

Available Models:
All models

PM2A Concert

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

PM3A Concert

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

PM4A Concert

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

PM5A Concert

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

PM6A Concert

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

PM7A Concert

Frame Size: 8 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

DX2 Concert

Frame Size: 8 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

DX3 Concert

Frame Size: 8 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

DX4 Concert

Frame Size: 8 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

EX2 Concert

Frame Size: 8 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

EX3 Concert

Frame Size: 8 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

EX4 Concert

Frame Size: 8 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

PM65 Concert

Frame Size: 5 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

A45 Concert

Frame Size: 5 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

A55 Concert

Frame Size: 5 Inch
Magnet type: Alnico
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

DX45 Concert

Frame Size: 5 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

DX55 Concert

Frame Size: 5 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db

DX65 Concert

Frame Size: 5 Inch
Magnet type: Neodymium
Voicecoil Options: Aluminium/Silver
Impedance Options: 8/15 Ohms
Metal Work: EN1A Lead Free Steel
Db Efficiency: 97db



The Making of a Masterpiece



Every Lowther loudspeaker begins in conversation.

You do not simply buy a product from Lowther; you commission an instrument. From the moment you choose your preferred veneer, the process becomes personal. You are selecting not just an aesthetic, but a cherished wood - each species chosen for how it shapes the speaker. Just as a luthier might select maple or spruce, we treat these woods with the same care and tradition.



The Lowther Northampton Atelier

Our cabinets are not assembled on production lines. They are formed using traditional woodworking and machinist skills passed down through generations. Each curved panel is constructed by vacuum-formed lamination - where multiple thin layers of birch plywood are glued and pressed into precisely shaped moulds.

We choose birch plywood for its exceptional acoustic and structural qualities: it is stable, strong, and consistent. Its cross-laminated structure minimises resonance, holds tight tolerances, and ensures durability over time. Compared to other mate-

rials, birch plywood allows us to shape complex horns while preserving tonal neutrality and mechanical integrity. This technique allows us to create complex, stable curves with remarkable structural integrity. The resulting form not only follows the precise horn geometry pioneered by Paul Voigt but also enhances acoustic performance by reducing resonance and standing waves.

Unlike steam bending, which relies on heat and moisture to soften the wood, our laminated curves are cold-moulded for precision. The glue lines between layers contribute to damping,

strength, and long-term dimensional stability.

Each Lowther cabinet uses a folded horn design - not for convenience, but for performance. A straight bass horn capable of reaching into the lowest octaves would need to be metres long. By folding the internal path, we maintain the necessary acoustic length while keeping the enclosure suitable for domestic spaces. These horns act as acoustic transformers, gradually increasing the cross-sectional area. The result is a natural efficiency and an organic clarity that direct-radiating designs cannot approach.

Wood Treatments

Before a single piece is joined, we begin with hand-selecting premium plywood stock, careful-

ly evaluating each sheet for structural integrity to ensure perfect compatibility with the cabinet design. Working with trusted veneer suppliers, we offer clients an extensive selection of exotic and domestic wood species.

Each cabinet is veneered using hand-matched, real wood veneer, selected for its grain, figure, and compatibility with the cabinet's design. We use both book-matching and slip-matching techniques depending on the desired visual effect - ensuring that every pair of loudspeakers presents either a flowing continuity or a mirrored, symmetrical elegance. Veneers are applied with a combination of caul presses and vacuum pressing, meticulously applied only where needed. We veneer both sides of a panel only when aesthet-



Lowther Almiria part way through the
Veneering process. (above)





Preparing to build (above)

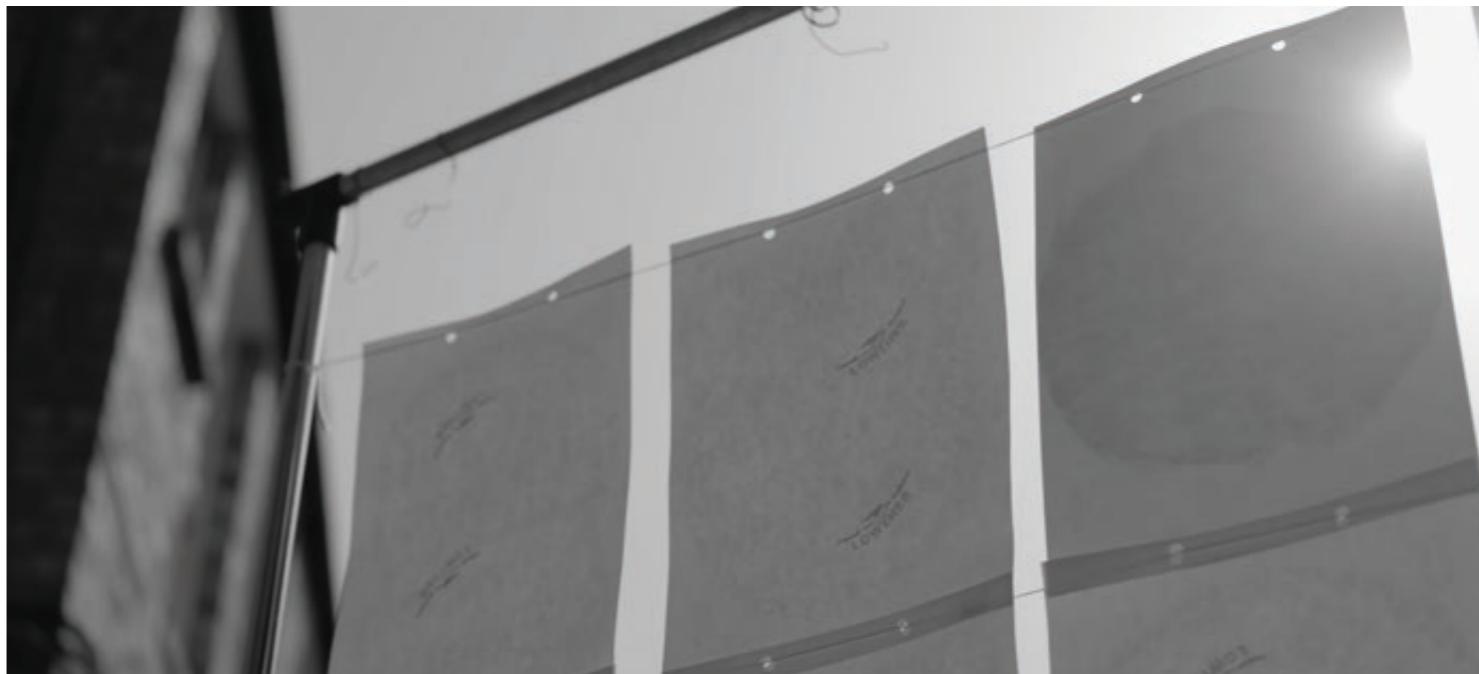
ics demand it - such as when the interior is visible or where specific veneer patterns enhance the final form. Otherwise, interior surfaces are treated with a durable acoustic paint, chosen to maximise the horn's efficiency.

Magnetic and Material Mastery

At the heart of every Lowther speaker is its drive unit - what we call our instrument. It begins with a paper cone, light and responsive. But this paper is no ordinary pulp. Components are cut & folded from a range of chosen fibre grade and weights, impregnated with our own preparation formula. After treatment, each cone is left to dry naturally, hanging in open air and direct sunlight - just like the soundboards of fine violins. This slow



Marking up limited edition Rosewood veneer (above)



Paper recently treated with Lowthers propriety resins and protein washes that will later be finished into cones, hanging in open air and direct sunlight

drying process helps stabilise the fibres, enhances tonal characteristics, and ensures each cone develops a natural acoustic integrity before it ever meets the magnet.

Each voice coil is wound by hand using over thirty feet of silver or aluminium wire, each offering its own sonic character. The coils are wound onto former materials selected for their lightness, mechanical and thermal stability, then set to within microns in the magnet gap. This hand-aligned process ensures that the voice coil moves effortlessly within the magnetic circuit, producing sound without friction, drag, or distortion.

The metalwork that supports this structure is just as refined. In our Concert, Sinfonia and Philharmonic Collections, we use premium lead-free steel for the magnetic core - chosen for its high permeability and low coercivity. This allows magnetic flux to flow efficiently and precisely across

the voice coil gap, creating the intense focus and clarity that define the Lowther sound. Each part is machined to very tight tolerances from solid stock, ensuring mechanical and magnetic precision.

Our PM series uses Alnico magnets - an alloy of aluminium, nickel, and cobalt. Alnico provides a field with a soft saturation curve that imparts harmonic richness and a natural ease to transients. The casting, machining, and magnetising of Alnico is a specialised craft, and each magnet is tuned to the performance of the drive unit it powers.

In the Philharmonic Collection, we move to superior engineering. Each component is cut from solid metal stock and finished with a multi-stage nickel chrome process - polished, electroplated, and polished again.





The Grand Opera Collection represents the summit of this philosophy. These materials, are used for their superior magnetic saturation properties. The result is a magnet circuit of unmatched linearity and speed, paired with handcrafted cones and coils to create the most accurate and revealing loudspeakers ever made. Each Grand Opera unit is commissioned individually, numbered, and supplied with a full breakdown of its materials and measurements.

Within the Philharmonic and Grand Opera Collections, we focus exclusively on the PM4A, PM7A, and the Field Coil Motor. These each succinctly express the essence of Lowther: speed, clarity, tonal honesty, and timeless engineering.



Polepiece from the Philharmonic Collection (above)
Lowthers signature shaped drive unit frame being machined (below)



Our Lowther for Life Commitment

Every Lowther instrument is tested in-house - measured, listened to, and scrutinised to ensure it meets our standards. Drive units are run-in as part of the build, allowing components to settle naturally and reach their full sonic potential.

Each Lowther Masterpiece and Instrument (in our Sinfonia, Philharmonic, and Grand Opera Collections) - come with a ten-year warranty as standard. This commitment reflects not only the longevity of our materials and craftsmanship but our belief that these are heirloom instruments, built to last generations.

The Lowther Philosophy

This is what makes a Lowther. Not just a speaker, but an acoustic instrument - ground-

ed in a nearly century-old philosophy that began with Paul Voigt in 1934. Voigt's belief was radical then and remains relevant today: that the truest, most coherent sound comes not from multiple drivers split by crossovers, but from a single full-range unit, acting as one unified source. No signal loss, no disconnect between frequencies—just purity, immediacy, and musical integrity.

At Lowther, we continue this philosophy by focusing entirely on single full-range drivers. The PM4A, PM7A, and Field Coil Motor units, featured in our Philharmonic and Grand Opera Collections, were chosen because they most succinctly express the Lowther essence: speed, tonal honesty, and transparency. These instruments speak with one voice - without the colouration or phase distortion



Unfinished Lowther TP2 horn (above)



Edilia undergoing the sealing process (above)
Almira drive unit being fitted (below)



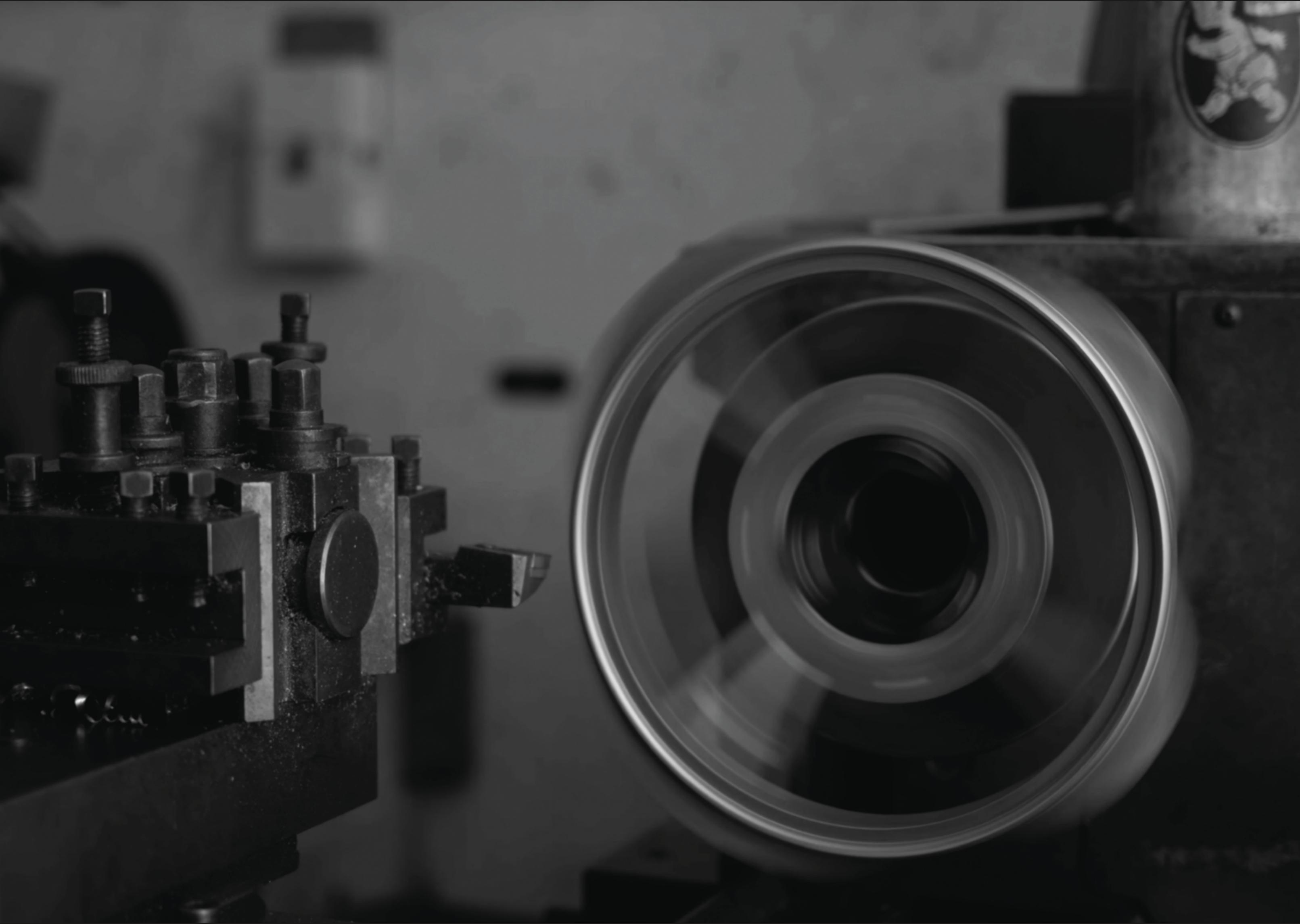
introduced by complex crossovers - and with a clarity that connects the listener directly to the performance.

We are proud to build nearly every component in Great Britain, continuing a lineage of engineering that defined the golden age of British audio. From Voigt and Lowther to the BBC, classic Tannoy and KEF, British makers have long led the way in designing loudspeakers that favour quality, innovation, and craftsmanship over disposability.

Lowther stands as proof that, even in a globalised market of disposable goods, world-class sound can still be built by hand, responsibly, and with enduring purpose.

We do not pursue volume - we pursue truth in sound.





Towards Perfection

LOWTHER™

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