

CORINIUM

BY
ACOUSTIC ENERGY

WHO ARE ACOUSTIC ENERGY?

Acoustic Energy was founded in London, England in 1987 with the creation of the now legendary AE1 loudspeaker. The AE1 redefined what was possible from a compact enclosure by setting new audio performance standards for dynamics, power and clarity previously unheard of outside larger, high-end speakers. These design principals have remained enshrined in the company ethos to this day...

All Acoustic Energy loudspeakers are subject to our rigorous design-process and carry the same DNA that's run through each product range for over 35 years. At prototype stage new designs are voiced through an exhaustive listening process, with electroacoustic measurement used to verify each step. They're then benchmarked against our historical references mirroring the dynamics, transparency, tonal accuracy and above all musical involvement necessary to warrant the Acoustic Energy marque.

From inception Acoustic Energy has garnered hundreds of awards and accolades from the world's Hi-Fi press. These and many other endorsements with critical acclaim from journalists around the globe help secure our proud, pedigree status as one of the most highly regarded brands in the audio industry today.



British owned and run, the company has been based in the heart of the beautiful Cotswolds, England since 1995. As music lovers, its directors combine over 100 years' experience and knowledge in the audio industry with a passion for creativity, performance, quality and customer loyalty as core brand values.

Once becoming an Acoustic Energy owner, you're beginning an audio journey that'll provide decades of listening pleasure, whether new to our brand or upgrading. You're also buying into an exclusive club with the assurance of British design and engineering at its very best, backed by an industry-leading warranty support programme, all created...
for the love of music.

ACOUSTIC ENERGY *for the love of music*

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Acoustic Energy reserve the right to change technical specifications without notice. Visit acoustic-energy-corinium.co.uk for more information, reviews, images and full specifications.

With thanks to the Corinium Museum, Cirencester for the use of their premises for the photoshoot. Please visit coriniummuseum.org for more information.

Pictured with floor protection feet

WHY CORINIUM?

Corinium by Acoustic Energy is the latest addition to our award-winning line up of loudspeakers. The culmination of a three-year project for our in-house design team, this brand new, next-generation floor-standing model is set to establish further new standards in performance, design and value.

By tearing up our previous rule book and starting with a blank sheet of paper, we examined music reproduction in detail and subsequently achieved small gains in every area. When added together they've resulted in a loudspeaker which is markedly more dynamic, more live sounding and more musically involving than any previous generation of product we've designed.

It's been an exhaustive process examining each element and its relationship to the whole. We avoided spending time and effort on areas that mattered less and invested time and money on areas we found offered the largest gains. This included developing a new carbon fibre cone and motor system for the mid/bass drivers, sourcing a new and unique soft dome material for the tweeter, careful selection of crossover components to match the drivers and creating an enclosure that's both acoustically and aesthetically stunning.

We hope you agree we've produced something which, not only compares well with its competitors but actually goes somewhat beyond, by offering something more sophisticated, more musical and delivered in way previously only available in a rarefied space occupied by the select few. We hope Corinium will award you with many years of musical enjoyment.

And finally, why the name? Cirencester in the beautiful Cotswolds, our hometown for more than 25 years, was an important outpost in Roman Britain. In fact, it was the most important town outside of London. They named it 'Corinium' and we're proud to name our most significant and impressive loudspeaker to-date after our namesake.



TECHNICAL SPECIFICATIONS



Mid-Range Driver | 120mm Carbon Fibre cone
Bass Drivers | 2 x 140mm Carbon Fibre cones
Tweeter | 29mm Soft dome
Design | 3-way reflex loaded with curved RSC cabinet and Aluminium baffle
Frequency Range | 32Hz - 30kHz (-6dB) / 38Hz - 25kHz (-3dB)
Sensitivity | 92dB/m/2.83v
Power Handling | 200w
Crossover Frequency | 260Hz / 3400Hz
Impedance | 4ohms
Dimensions | 1100mm (inc. spikes) x 235mm x 385mm (HxWxD)
Weight | 40kg (per speaker)



British Racing Green



Tectona Real Wood Veneer



Matte Black



Matte White

Tweeter

Building on the success of our carbon fibre dome on the 500 series, we identified the need to use an even lighter dome for the Corinium to maximise the transient response of the system. So, we searched for a material lighter than carbon fibre and subsequently sourced a new soft dome material. This newly developed tweeter design has now proven to lower coloration, increase delicate high-speed transients and reproduce the very finest detail and refinement.

Mid and Bass Drivers

At the heart of the Corinium is the midrange drive unit. Covering 5 octaves it's the key element which produces most of the sound from the loudspeaker system. The new carbon fibre cone and surround helps provide specific tonal qualities we were targeting for this speaker... offering the most natural sound and realistic musical performance. The extra width of the Corinium cabinet allowed us to house a slightly larger bass driver. We went back to basics to develop a brand-new bass alignment that combines weight, speed and slam to produce a natural, realistic sound from what's still a fairly compact loudspeaker system. In conjunction, we developed a brand new 165mm bass driver to produce a big, powerful, controlled and natural bass sound.

Crossover

Optimised for best transient performance, our 3-way crossover blends the power output of each transducer to provide a rich, tonally balanced sound. High quality components are used throughout including air core inductors, metalized polypropylene film capacitors and metal oxide resistors. The crossover is connected to the drive units using audiophile grade internal wiring which features a patented arrangement of conductors to give the best possible musical detail and dynamic expression.

Cabinet

All these ground-breaking new drive unit and crossover developments are housed in a beautifully curved, exquisitely finished inert enclosure. The hybrid 'Resonance Suppression Composite' (RSC) cabinets have a minimum thickness of 22mm and vary up to 50mm for optimal performance. The 4° tilt improves the time alignment of sound to listener, whilst the 6mm ultra rigid aluminium front baffle firmly houses the drivers and isolates any cabinet resonances from the listening environment.

