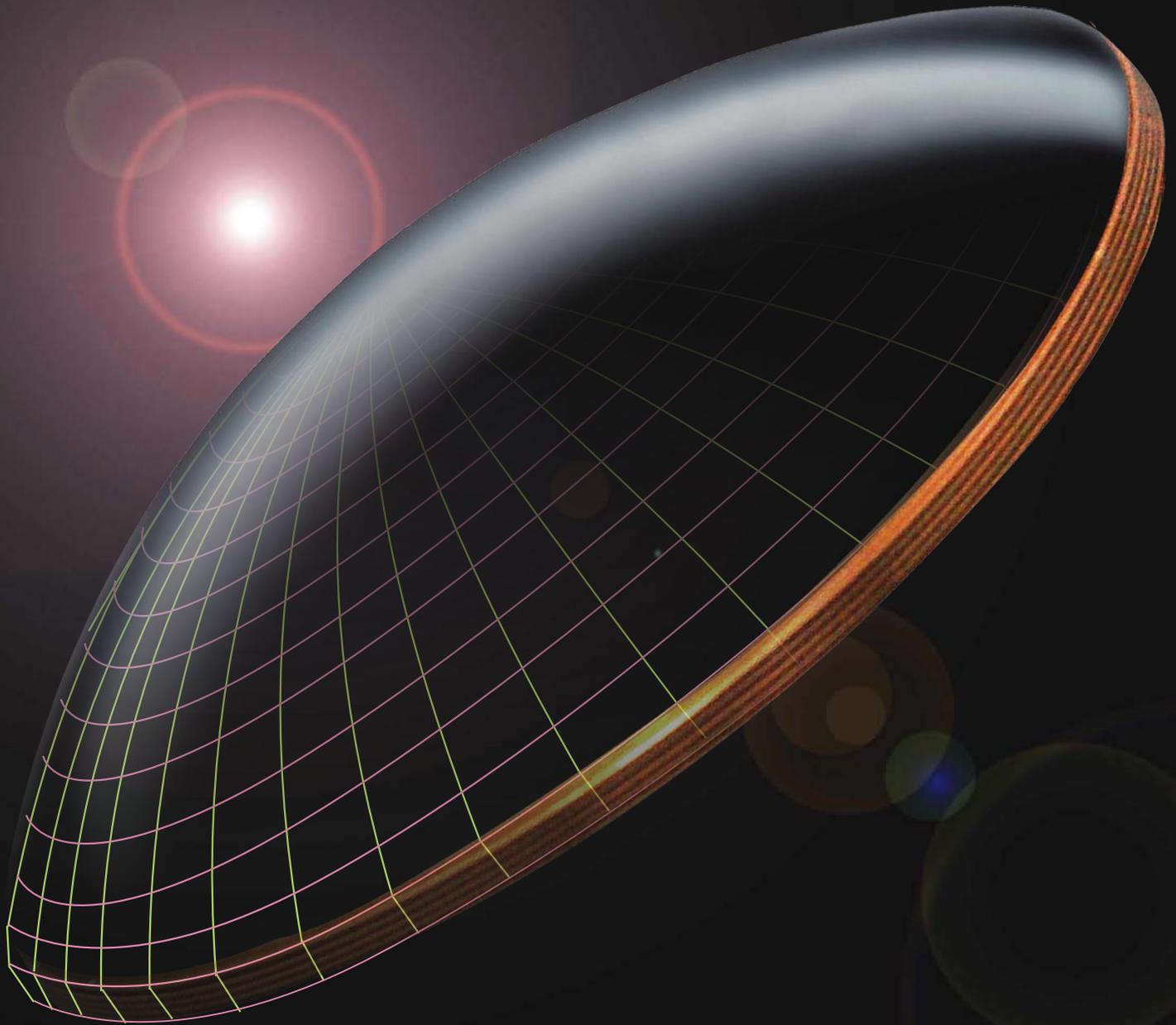


USHER

The Diamond Revolution



Introducing The USHER Diamond DMD Technology

USHER Diamond DMD Technology: Uncovering Key To Superlative Diamond Sound

Because of its extreme hardness and excellent thermal conductivity, diamond has always been considered a potentially great material for loudspeaker diaphragm. Tweeter units with a diaphragm made of synthetic diamond, from the traditional CVD (Chemical Vapor Deposition) method, have been around for quite some time, but many find their sonic performance compromised, due mainly to the relatively high mass of the diamond dome and also to the unfavorable resonance signature of the material itself.

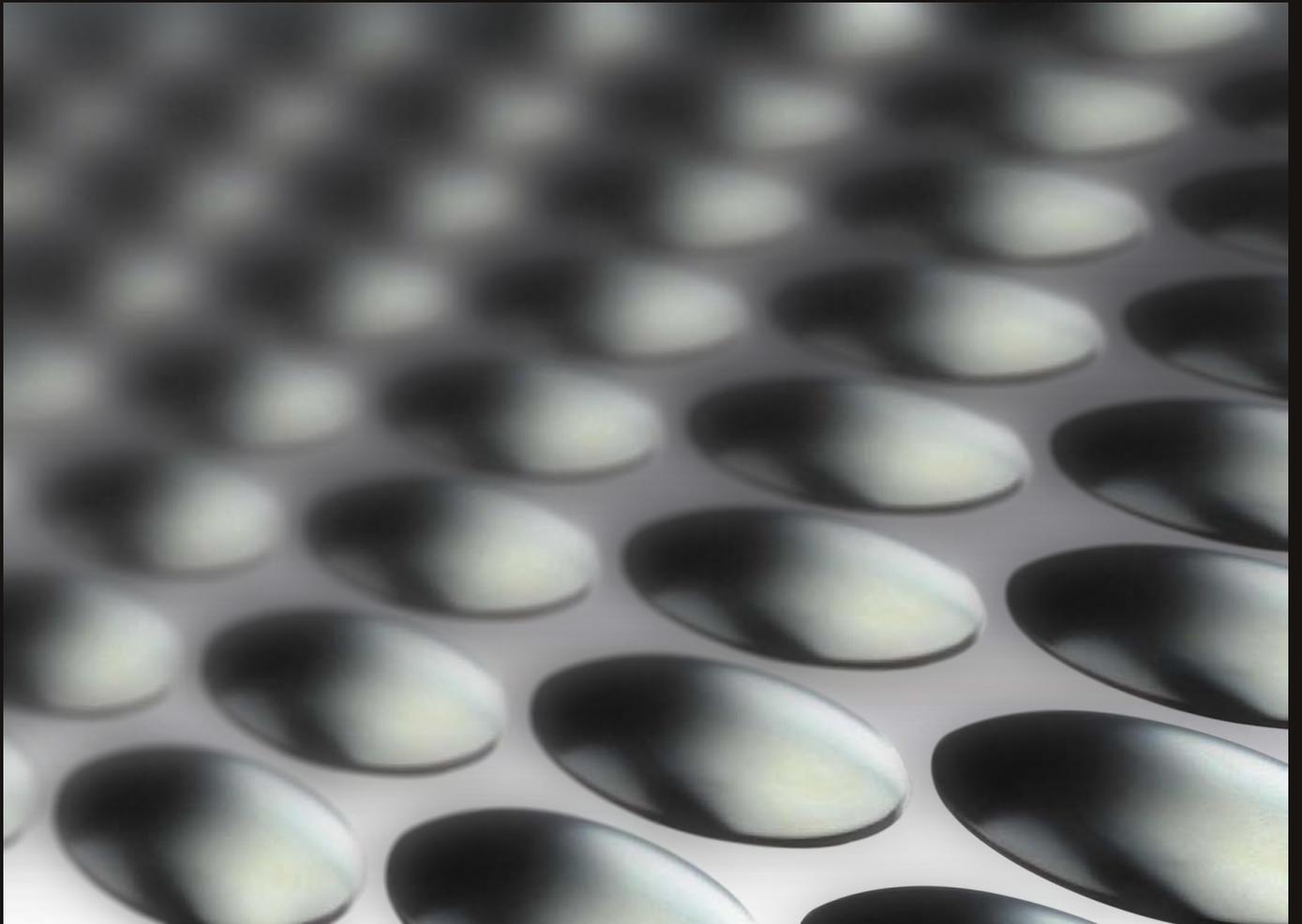
At Usher, we saw the promise of diamond as an ideal diaphragm material, but we also reckoned that it would take some original thinking and an innovative approach to the engineering, in order to bring out the best of this unusual material for application in audio. In typical Usher fashion, we took our time to carefully research and develop our own original solutions for both pure diamond and laminate diamond diaphragms, tackling the issues with both imagination and extensive measuring/listening tests.

Today, years after we began our quest for the ultimate diamond sound, we're pleased to present to the music-loving public and audiophiles the exciting result of our first diamond technology research project, and we believe the key to superlative diamond sound: The new Usher Diamond DMD series speakers.

Employing the Usher Diamond DMD Technology, our Diamond DMD speakers have a new tweeter unit with an USHER Diamond DMD dome. The DMD dome is effectively a diamond dome with a reduced mass and a well-controlled, appealing sound signature, resembling very closely a perfect piston in its behavior. This is made possible by its laminated diamond-metal-diamond structure, which consists of a proprietary metal alloy base layer coated with an amorphous diamond-like carbon layer (pure diamond is carbon atoms arranged solely in sp^3 bonds; amorphous diamond-like carbon has mixed sp^3 and sp^2 bonds to achieve its desirable properties) on both sides. The base metal layer of the Diamond DMD dome tames all the diamond layers' unfavorable sonic traits and brings out the best of both materials.

The true revolution, however, is in the Diamond DMD tweeter's unprecedented micro-dynamics resolving power. The DMD dome's structural integrity makes possible a surprisingly intact and undistorted reproduction of the input signal, which clearly shows in the reproduced sound as a sense of purity and completeness that is at the same time new and familiar: New in reproduced music but familiar in live performances.

Last but not the least, owners of Usher's BE series will have the option to upgrade to the Diamond DMD tweeters at their cost. For details please contact your Usher official dealer.



USHER Diamond DMD dome is effectively a diamond dome with a reduced mass and a well-controlled, appealing sound signature, resembling very closely a perfect piston in its behavior



A Perfect Mix: An USHER Diamond DMD dome has a proprietary metal alloy base layer coated with an amorphous diamond-like carbon layer on both sides. Pure diamond is carbon atoms arranged solely in sp^3 bonds; amorphous diamond-like carbon has mixed sp^3 and sp^2 bonds to achieve its desirable properties



Diamond
DMD



2009 "Editor's Choice" Award --- *Hi Fi World*
2007 "Editor's Choice" Award --- *Home Entertainment*
2007 "Best Value Of The Year" --- *Audio Art*



BE-10 Diamond

3-way system

1.25" Diamond DMD dome tweeter

5" BE dome midrange

11" woofer

Sensitivity: 89 dB @ 1 watt / 1m

Nominal impedance: 8 ohms

Frequency response (-3 dB): 24 Hz ~ 40 kHz

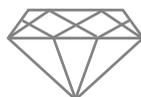
Power handling: 180 watts

Crossover frequencies: 385 Hz, 3.5 kHz

Weight: 92 kgs/203 lbs. (including base) per piece

Dimensions (w x d x h): 36.5 cm x 71.5 cm x 121.5 cm
; 14.4" x 28.2" x 47.8"

Often considered to have the best midrange in the world, the critically acclaimed BE-10 is now equipped with the incredible USHER Diamond DMD tweeter. Whilst capable of retrieving the last bit of music information in the recording and reproducing a stunning sound stage and palpable imaging, the BE-10 Diamond DMD captures the thrills of the performance and presents the music with such purity and sweetness like no other could.





USHER

For optimal performance remove the plaque to mass-load the chamber behind with sand and/or lead bricks, or other suitable material. Replace this plaque when done.

Presented to

Serial No.



2008 "Editor's Choice" Award --- *The Absolute Sound*
2006 "Editor's Choice" Award --- *Hi Fi & Hi Vi Monthly*
2006 "Best Sound at CES" --- *The Absolute Sound*



BE-20 Diamond

3-way system

1.25" Diamond DMD dome tweeter

5" BE dome midrange

Two 11" woofers

Sensitivity: 90 dB @ 1 watt / 1m

Nominal impedance: 4 ohms

Frequency response (-3 dB): 23 Hz ~ 40 kHz

Power handling: 200 watts

Crossover frequencies: 385 Hz, 3.5 kHz

Weight: 123 kgs/271 lbs. (including base) per piece

Dimensions (w x d x h): 36.5 cm x 89.5 cm x 140 cm
; 14.4" x 35.2" x 55.1"

With the addition of a second woofer, implemented in Usher's proprietary configuration, the BE-20 Diamond DMD possesses an ease and authority in ultra low bass reproduction that's difficult to match even by speaker systems several times larger in size. For those seeking the final word in ultra low bass reproduction, and those who have a large listening room.







2007 "Taiwan Excellence" Award --- *Ministry of Economic Affairs*

2007 "Editor's Choice" Award --- *Fidelity*

2005 "Golden Ear" Award --- *The Absolute Sound*

2005 "Editor's Choice" Award --- *The Absolute Sound*



CP-8571 Diamond

3-way system

1.25" Diamond DMD dome tweeter

7" midrange

8" carbon-impregnated woofer

Sensitivity: 87 dB @ 1 watt / 1m

Nominal impedance: 8 ohms

Frequency response (-3 dB): 26 Hz ~ 40 kHz

Power handling: 150 watts

Crossover frequencies: 282 Hz, 2.52 kHz

Weight: 80.5 kgs/177.5 lbs. (including base) per piece

Dimensions (w x d x h): 31.5 cm x 76 cm x 124 cm;

12.4" x 29.9" x 48.8"

The time-proven and ever-popular CP-8571 gets the new USHER Diamond DMD tweeter and takes another big leap forward in performance. The sheer musicality of its unique 7" midrange has become a legend now in loudspeaker design. Integrating the Diamond DMD tweeter with the system might first appear a daunting task, but we soon found their rich texture and musicality to be similar in nature and actually synergistic when teamed up. A most musically satisfying speaker.







2007 "Editor's Choice" Award --- *Hi Fi & Hi Vi Monthly*

2005 "Best Show at CES" Jimmy Award --- *SoundStageAV.com*



CP-8871 Diamond

3-way system

1.25" Diamond DMD dome tweeter

7" midrange

Two 8" carbon-impregnated woofers

Sensitivity: 90 dB @ 1 watt / 1m

Nominal impedance: 4 ohms

Frequency response (-3 dB): 24 Hz ~ 40 kHz

Power handling: 150 watts

Crossover frequencies: 276 Hz, 2.52 kHz

Weight: 105 kgs/231 lbs. (including base) per piece

Dimensions (w x d x h): 31.5 cm x 85 cm x 137 cm

; 12.4" x 33.5" x 53.9"

The debut of the original Dancer CP-8871 took the high end audio world by storm and it immediately became the benchmark for many audiophiles and reviewers around the world. Like its little brother the CP-8571, the CP-8871 is now updated with the exquisite USHER Diamond DMD tweeter. A perfect marriage of musicality and authority and ready for the upcoming super high bit, super high resolution new generation blue ray media.



COMPASS

Model No.
CP-777 II

Serial No.
B0971476

CE

MADE IN TAIWAN

The image shows the rear panel of a COMPASS CP-777 II device. The panel is a gold-colored metal plate mounted on a dark grey plastic housing. It features five BNC connectors arranged in two rows: two on the left and three on the right. The top-left connector has a blue ring, while the others have red and white rings. Two white labels are affixed to the panel, providing the model number 'CP-777 II' and the serial number 'B0971476'. The word 'COMPASS' is printed at the top, and 'MADE IN TAIWAN' is at the bottom. A CE mark is also visible. The device is mounted on a dark wood-grain surface.



CP-777 Diamond

2-way system

1.25" Diamond DMD dome tweeter

Two 7" woofers

Sensitivity: 90 dB @ 1 watt / 1m

Nominal impedance: 4 ohms

Frequency response (-3 dB): 32 Hz ~ 40 kHz

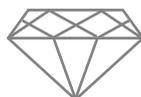
Power handling: 100 watts

Crossover frequency: 2.74 kHz

Weight: 36.9 kgs/81.3 lbs. per piece

Dimensions (w x d x h): 31.6 cm x 59 cm x 64.7 cm
; 12.4" x 23.2" x 25.2"

An unusually handsome speaker beloved by many design-conscious music lovers, the CP-777 continues its legacy into the future, now hosting the new Diamond DMD tweeter. An exercise in design and craftsmanship, paired with cutting edge speaker technology, the CP-777 is an absolute joy to own, to admire, and to enjoy.







"2009 Editor's Choice" Award --- Playback

Dancer Mini-One Diamond

2-way system

1.25" Diamond DMD dome tweeter

7" woofer

Sensitivity: 87 dB @ 1 watt / 1m

Nominal impedance: 8 ohms

Frequency response (-3 dB): 38 Hz ~ 40 kHz

Power handling: 90 watts

Crossover frequency: 2.3 kHz

Weight: 37.3 kgs/82.2 lbs. (including base) per piece

Dimensions (w x d x h): 31 cm x 36.5 cm x 105 cm; 12.2" x 14.4" x 41.3"

The newest members to the Dancer family, the Mini-One and Mini-Two have proven themselves to be worthy of the Dancer name, each having won a major award shortly after their debut. For those who don't have the space or budget for the bigger Dancers, but prefer a self-contained floor-standing system, the Dancer Mini-One and Mini-two are the answer.



2009 Editor's Choice Awards — Hi Fi & Hi Vi Monthly

Dancer Mini-Two Diamond

2-way system

1.25" Diamond DMD dome tweeter

Two 7" woofers

Sensitivity: 90 dB @ 1 watt / 1m

Nominal impedance: 4 ohms

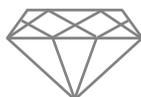
Frequency response (-3 dB): 28 Hz ~ 40 kHz

Power handling: 100 watts

Crossover frequency: 2.7 kHz

Weight: 52.3 kgs/115.3 lbs. (including base) per piece

Dimensions (w x d x h): 34 cm x 48 cm x 123 cm; 13.4" x 18.9" x 48.4"





Simply the most accurate and musical bookshelf speaker money can buy, period. Exquisitely designed, executed and manufactured, the BE-718 has won numerous awards since its launch. Equally at home as a studio monitor, in a high end stereo system, or teamed up with the BE-616 center channel speaker in a home theater, the compact BE-817 Diamond is a versatile speaker which every family should have at least a pair.

Take a look below at the long list of awards the BE-718 has under its belt:



**TAIWAN
EXCELLENCE
2009**

2009 Taiwan Excellence Awards



2009 Stereophile Class A Recommended Component



2008 Best Innovation Award CES



2008 Editor's Choice Awards — Stereophile



2007 Reviewer's Choice Award — SoundStage



2007 Best Sound at RMAF --- The Absolute Sound



2007 Reviewer's Choice — Audio Art



2007 Editor's Choice Awards — Hi Fi & Hi Vi Monthly



2007 Blue moon Awards — 6moons.com



2007 Editor's Choice Awards — Hi Fi World



2007 Editor's Choice Awards — The Absolute Sound



2007 Product of the Year Awards — The Absolute Sound



BE-718 Diamond

2-way system

1.25" Diamond DMD dome tweeter

7" woofer

Sensitivity: 87 dB @ 1 watt / 1 m

Nominal impedance: 8 ohms

Frequency response (-3 dB): 42 Hz ~ 40 kHz

Power handling: 80 watts

Crossover frequency: 2.06 kHz

Weight: 17.2 kgs/38 lbs. per piece

Dimensions (w x d x h): 25.8 cm x 42.8 cm x 38.7 cm; 10.2" x 16.9" x 15.2"



BE-616 Diamond

2-way system

1.25" Diamond DMD dome tweeter

Two 7" woofers

Sensitivity: 90 dB @ 1 watt / 1 m

Nominal impedance: 4 ohms

Frequency response (-3 dB): 44 Hz ~ 40 kHz

Power handling: 100 watts

Crossover frequency: 2.8 kHz

Weight: 23 kgs/50.7 lbs. per piece

Dimensions (w x d x h): 64 cm x 39.5 cm x 25.4 cm; 25.2" x 15.6" x 10"





About Us

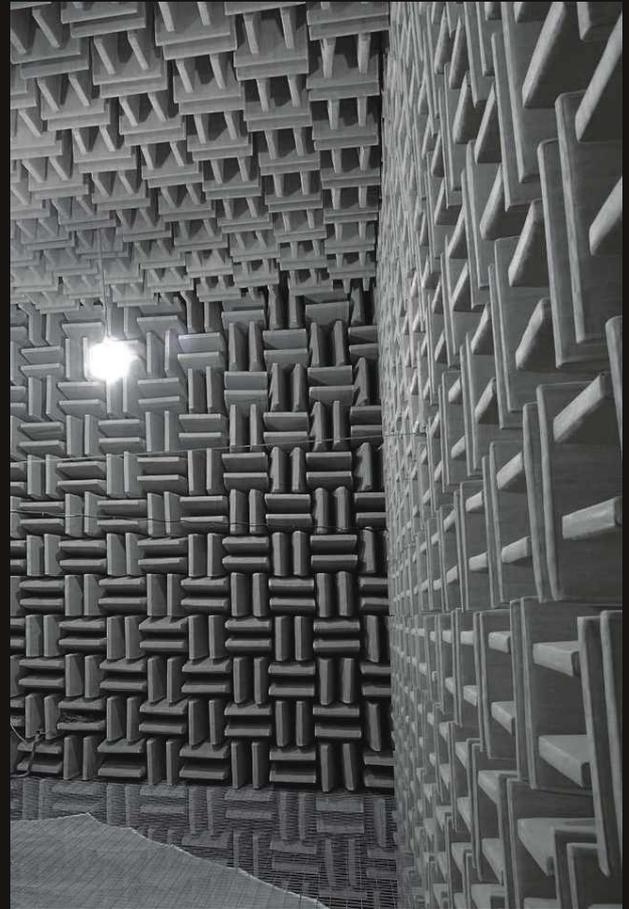
Established in 1972 in central Taiwan, USHER has grown from a small audio enthusiast's shop to one of the most respected name in the global audio scene. Today, at its newly completed factory in Taichung, USHER continues to develop and manufacture audio amplifiers and loudspeakers of cutting edge design, to its exacting high standards.

Owner and engineer-in-chief, Mr. Lien-Shui Tsai, holds a unique view towards high end audio. He believes that no-compromise audio components can and should be friendly price-wise to all music lovers and audiophiles; They should be a luxury most people can afford.

The secret to USHER's ascend to the cream of the crop in high end audio lies in the fact that USHER always takes a scientific approach to engineering, and supports it with imagination and extensive, pains-taking experiments and listening tests. The result of USHER's thorough engineering and quality control is products of exceptional performance and reliability. Many of the USHER amplifiers built in the '70s are still actively serving their owners today.

Audio Is No Black Magic At USHER: Correlating the measurements and the perceived performance by human ears

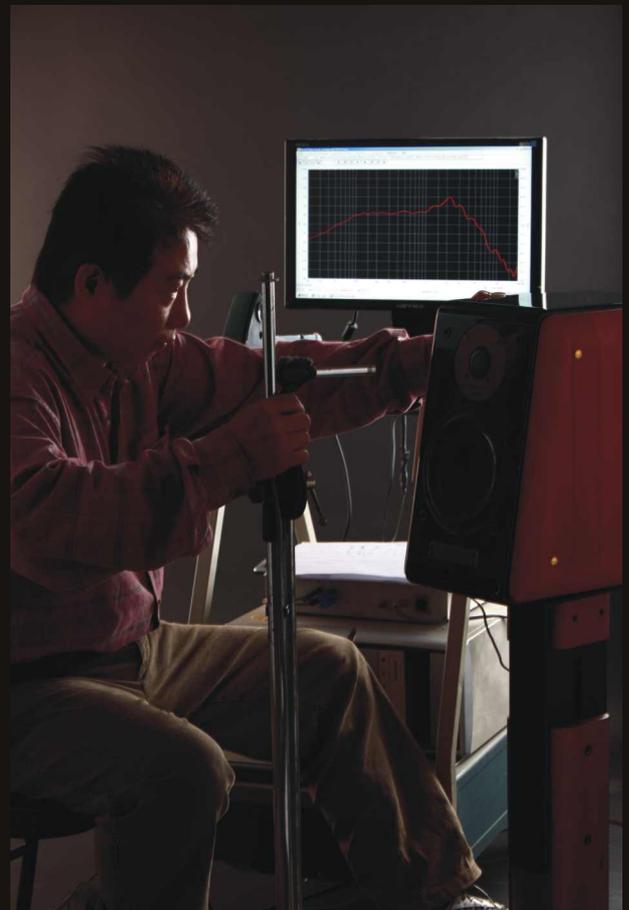
At USHER, we believe audio is a science. There was a time in the history of audio when measurements couldn't really explain a lot of the perceived listening impressions, but we discovered, through extensive listening tests, experiments and measurements, that it was because people didn't measure the parameters that really matter. For years, USHER have worked hard on correlating measurements and perceived performance. The initial success USHER have achieved in this pursuit has allowed us to greatly improve the effectiveness and precision of our R&D work, making possible an even more friendly pricing policy, despite the ever-heightening level of quality in our products' absolute sonic performance.



The anechoic room at USHER's newly completed factory; We believe this to be one of the best and largest anechoic facilities in the world

A Relentless Quest For Precision and Musicality: Tools and mindset

Almost all first-time visitors to USHER's labs and factory were awe-struck by the quality and quantity of the precision equipment they saw in service. Perhaps they would be even more surprised if they knew the amount of research and trainings put into utilizing these pieces of high precision equipment. As the saying goes, "There are no accidents." At USHER, we don't leave it to chance to improve or to innovate. We even developed a computer-based measuring system of our own, which has since become an industry standard and is now widely used at many factories in Asia.



The BE-718 Diamond under testing at USHER's R&D labs

An exploded view of USHER's tweeter. All USHER tweeters employ USHER's Symme-Motion technology to ensure a symmetrical motion cycle and thus a faithful reproduction of the input signal.

*Please note that all the awards listed were given to the specific year's production model, as reviewed



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