



VULKAN

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DUNU IS CELEBRATING 20 YEARS OF CONTINUAL INNOVATION IN PREMIUM AUDIO



HYBRID IN-EARS ARE AN INTEGRAL PART OF THIS HISTORY





LATE 2012
DN-1000
First Coaxial Hybrid
Under \$1000

LATE 2013
DN-2000
Second Generation
Coaxial Hybrid

LATE 2015
DN-2002
First-Ever Dual Dynamic
Coaxial Hybrid

LATE 2018
DK-4001
High-End Flagship
with Advanced Materials

LATE 2019
DK-2001
Lowering the
Cost Threshold

A DECADE OF DUNU HYBRID ENGINEERING

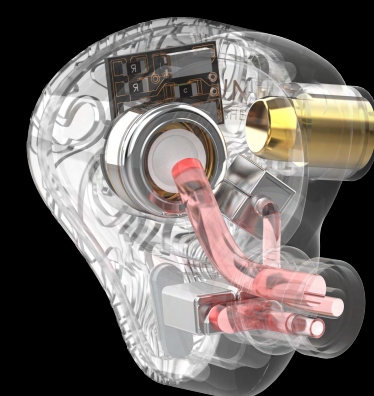
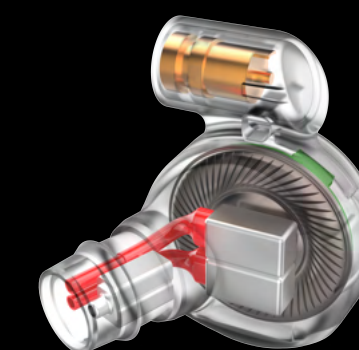
EARLY 2013
DN-900
First Low Cost
Coaxial Hybrid

EARLY 2015
DN-2000J
A New Standard
For Resolution

LATE 2016
DK-3001
Brand New
Compact Form Factor

EARLY 2019
DK-3001 PRO
An Update
Beyond Evolution

MID 2022
VULKAN (DK-X6)
A Whole Greater
Than the Sum of Its Parts



VULKAN. EXPERIENCE DISTILLED.

By channeling our culture of continual improvement, DUNU leverages the latest tools in our bag to build on our storied legacy of hybrid in-ear engineering with VULKAN.

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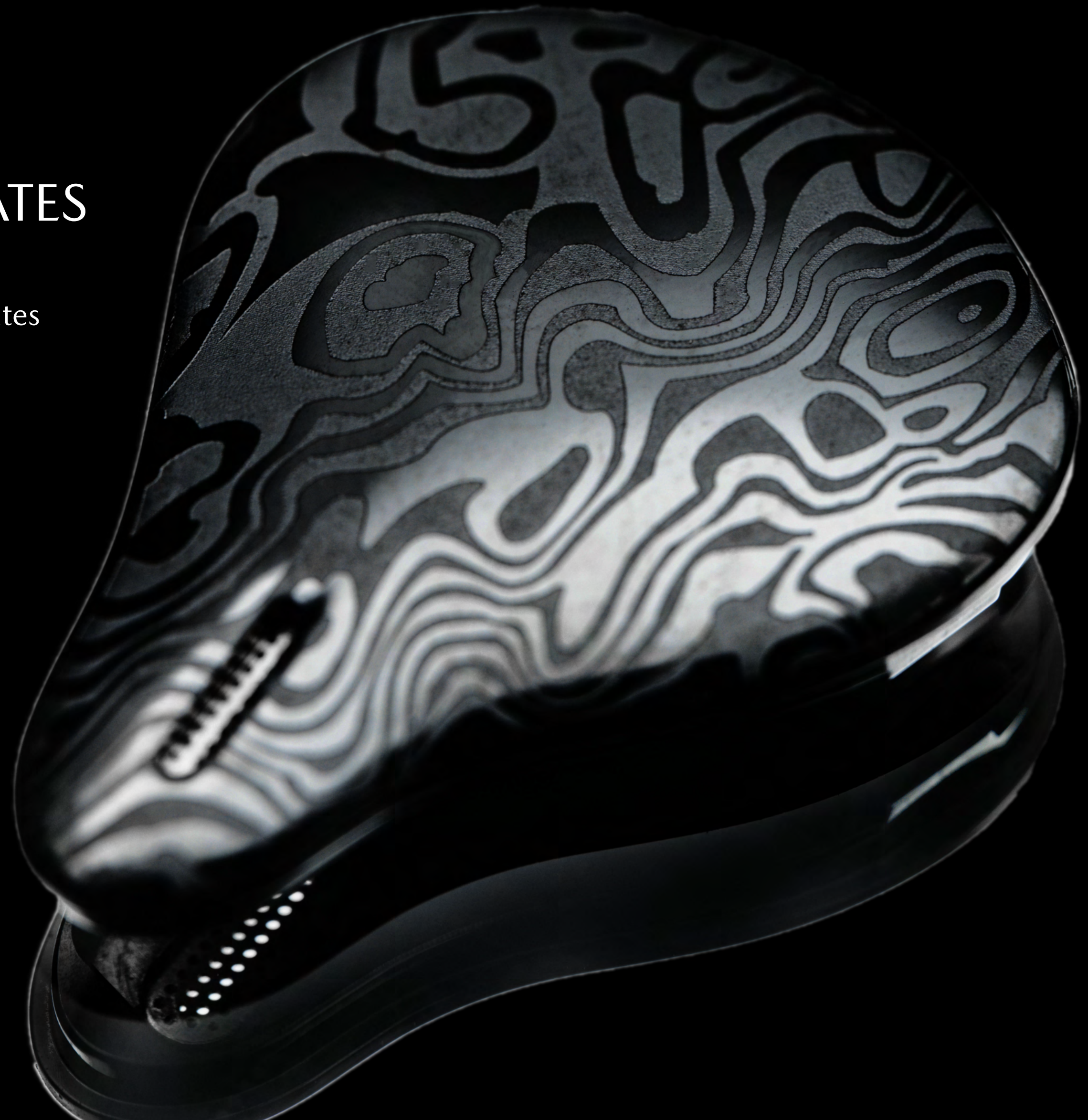
ANDY ZHAO, CHIEF ENGINEER



MOKUME GANE INSPIRED FACEPLATES

Like metamorphic rock transformed from igneous origins, the serpentine, layered pattern of the *mokume gane* inspired faceplates marks a new aesthetic direction for DUNU.

Macro Photograph
of a VULKAN faceplate.



CNC MACHINED ALUMINUM SHELLS

Ergonomically-shaped for a wide variety of ear shapes and sizes, VULKAN's aluminum alloy shells are precision-machined for a perfect fit.



Still photograph of the CNC shell machining process.



AN ALL-NEW ARCHITECTURE

For VULKAN, we went back to the drawing board to engineer an entirely new acoustic setup.



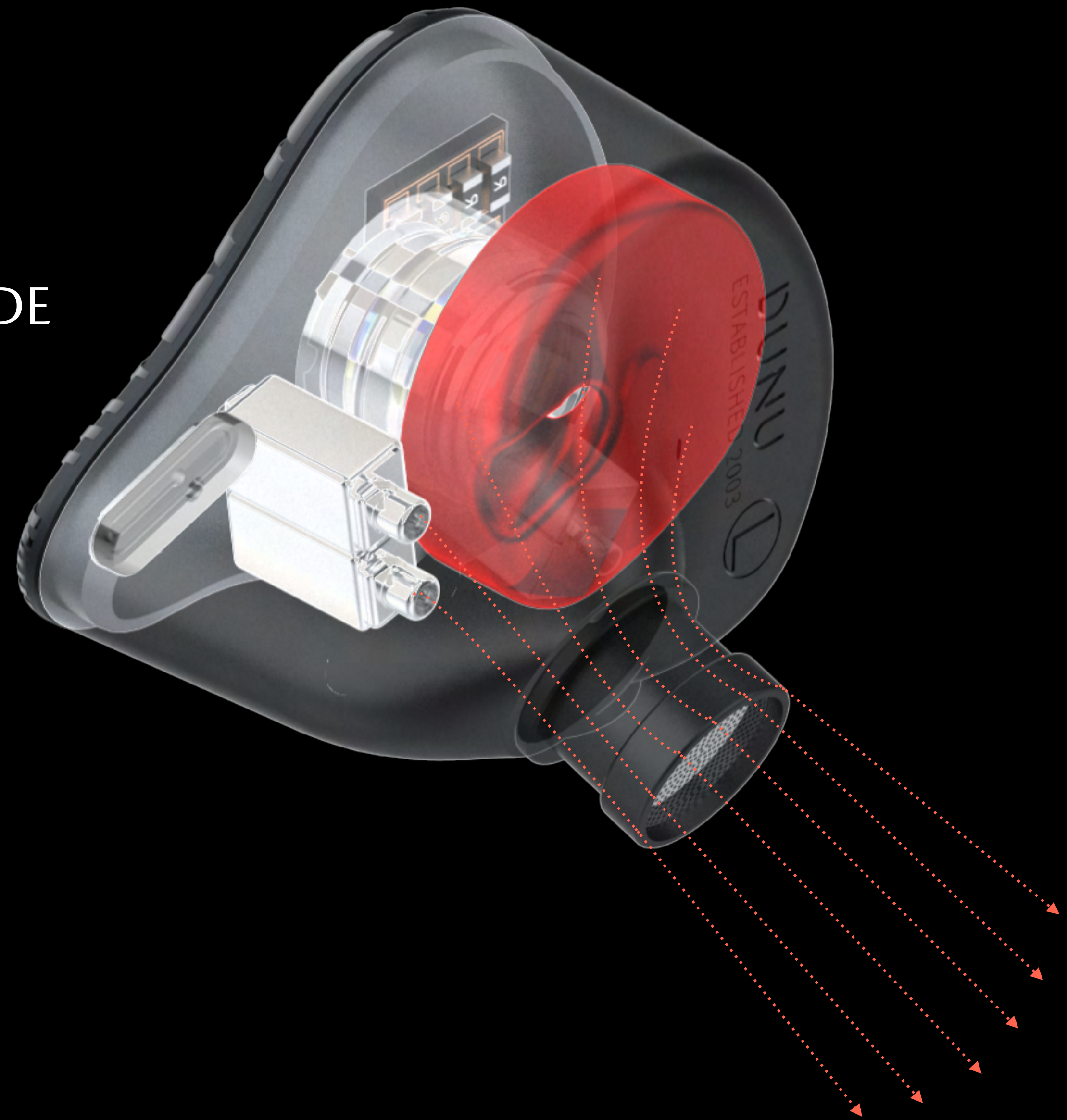
Knowles Dual Ultra-High
Balanced Armature Supertweeters [2]

Coaxial Dual
Dynamic Driver

Knowles Mid-High
Balanced Armature Drivers [2]

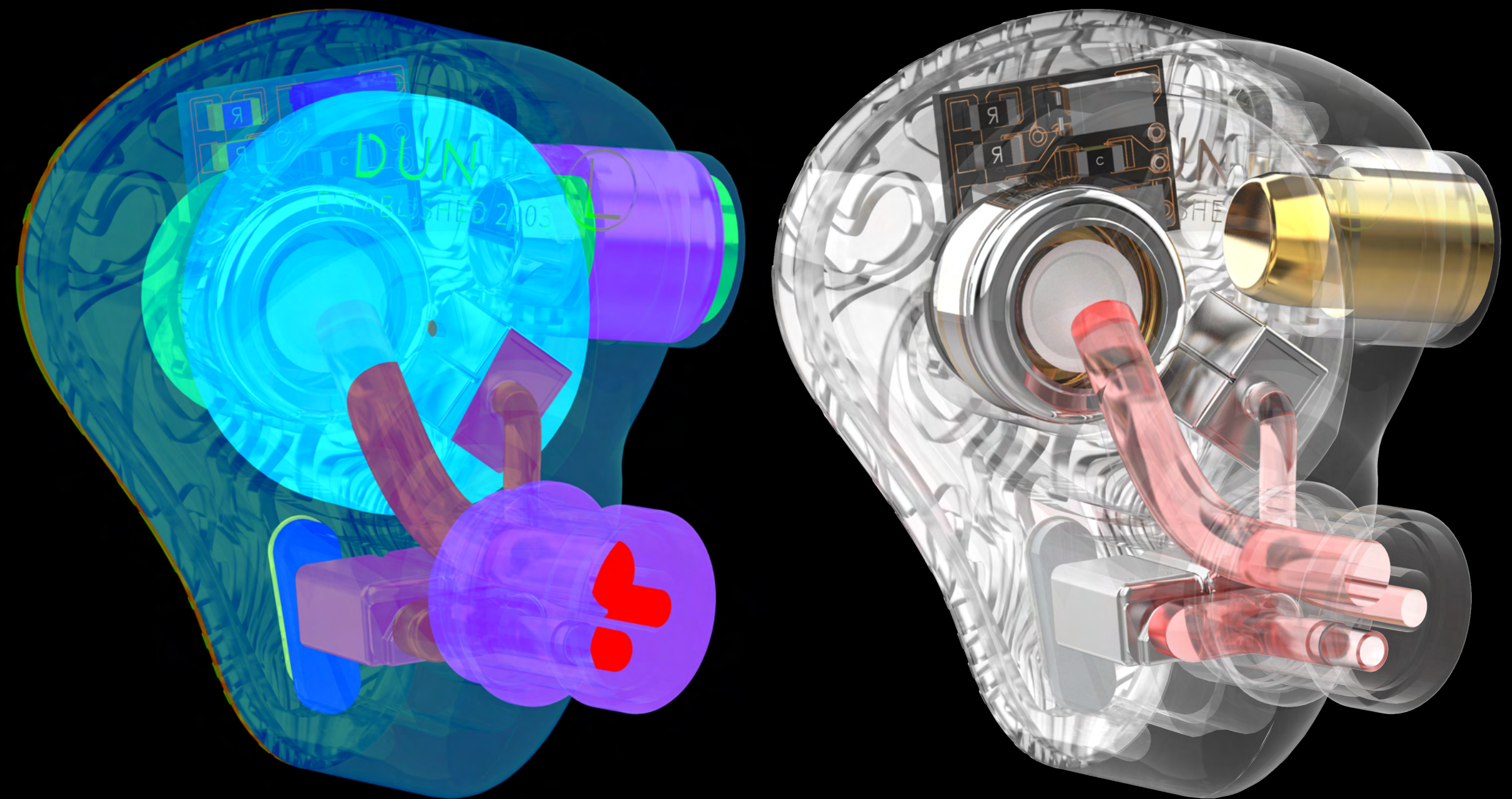
3D PRINTED ACOUSTIC WAVEGUIDE

An additively manufactured waveguide and mounting bracket enhances mounting stability and coherence of imaging.



DIGITAL PATHWAY OPTIMIZATION

The acoustic conduits were optimized via virtual design tools prior to extensive real-world listening tests.



LOW FREQUENCY CONTROL

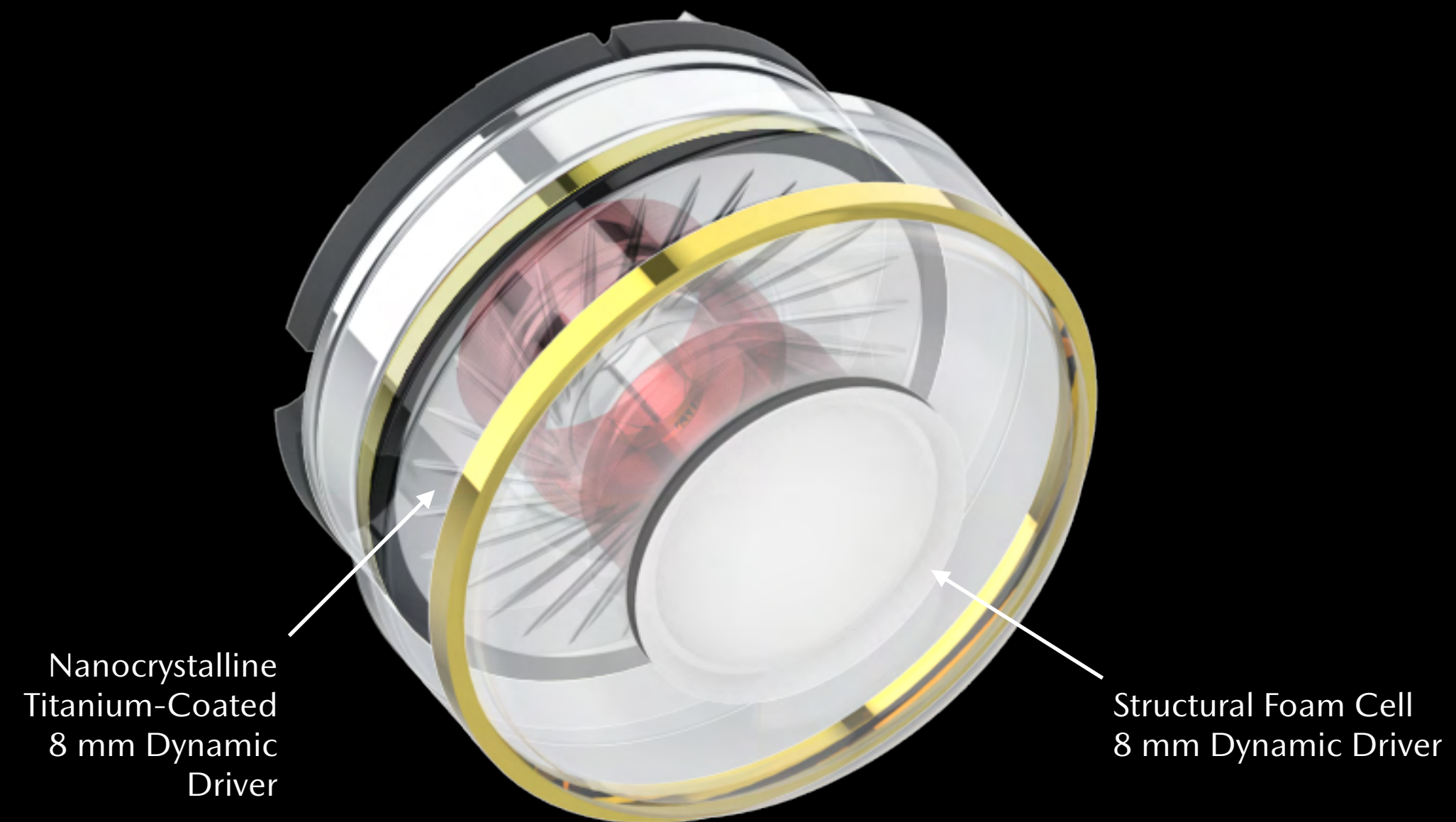
Our exclusive, labyrinthine Air Control Impedance System (ACIS) helps reinforce the response of a dynamic driver's lowest registers without hampering speed or stymying texture.

VULKAN utilizes the latest generation ACIS module and is also found on DK-4001, ZEN, ZEN PRO, and EST 112.



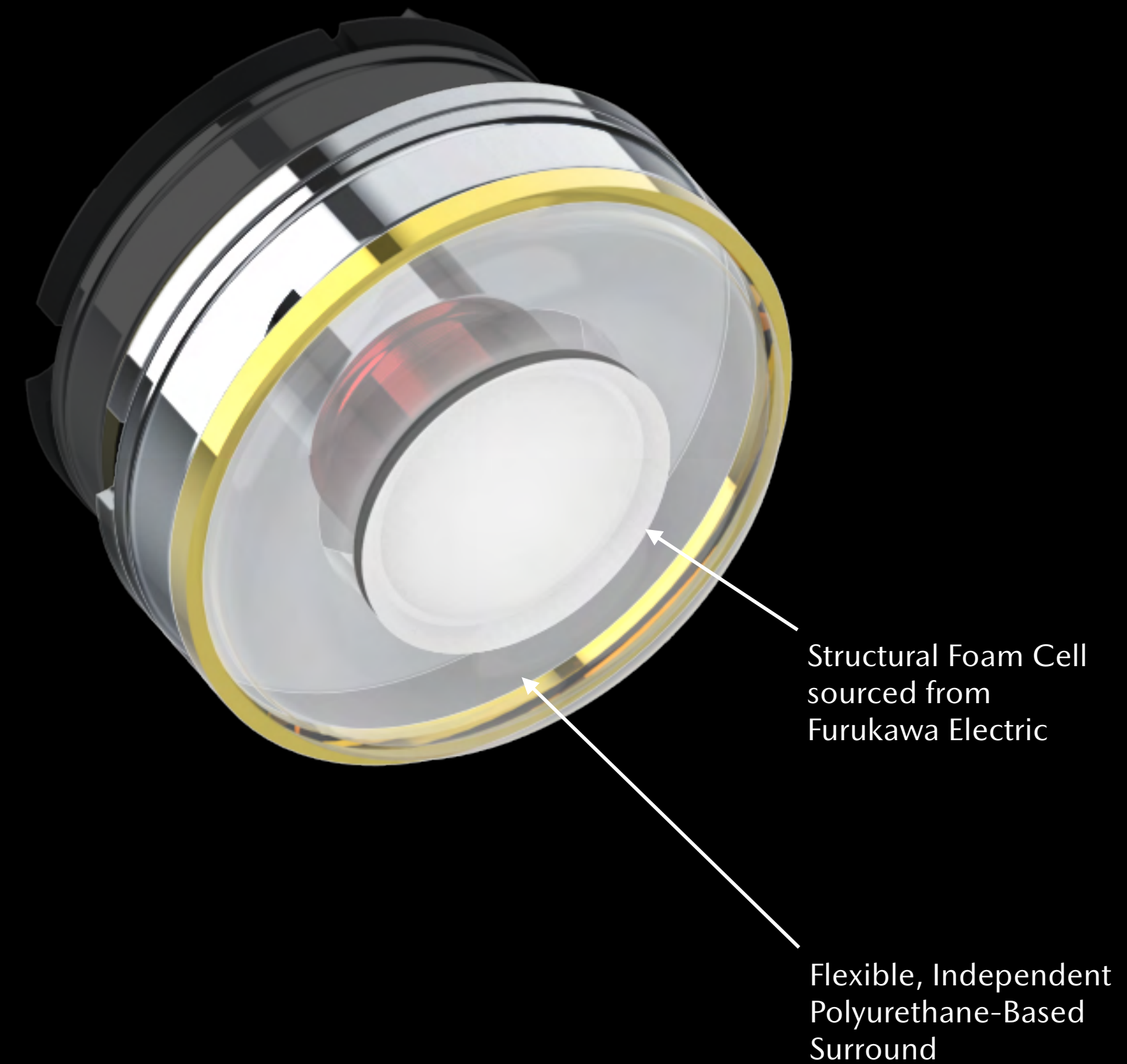
DUAL 8 MM COAXIAL DRIVERS

The unique coaxial design of the dual 8 mm dynamic drivers enables the two drivers to work synergistically, allowing VULKAN to exert both control and power over its low end response.



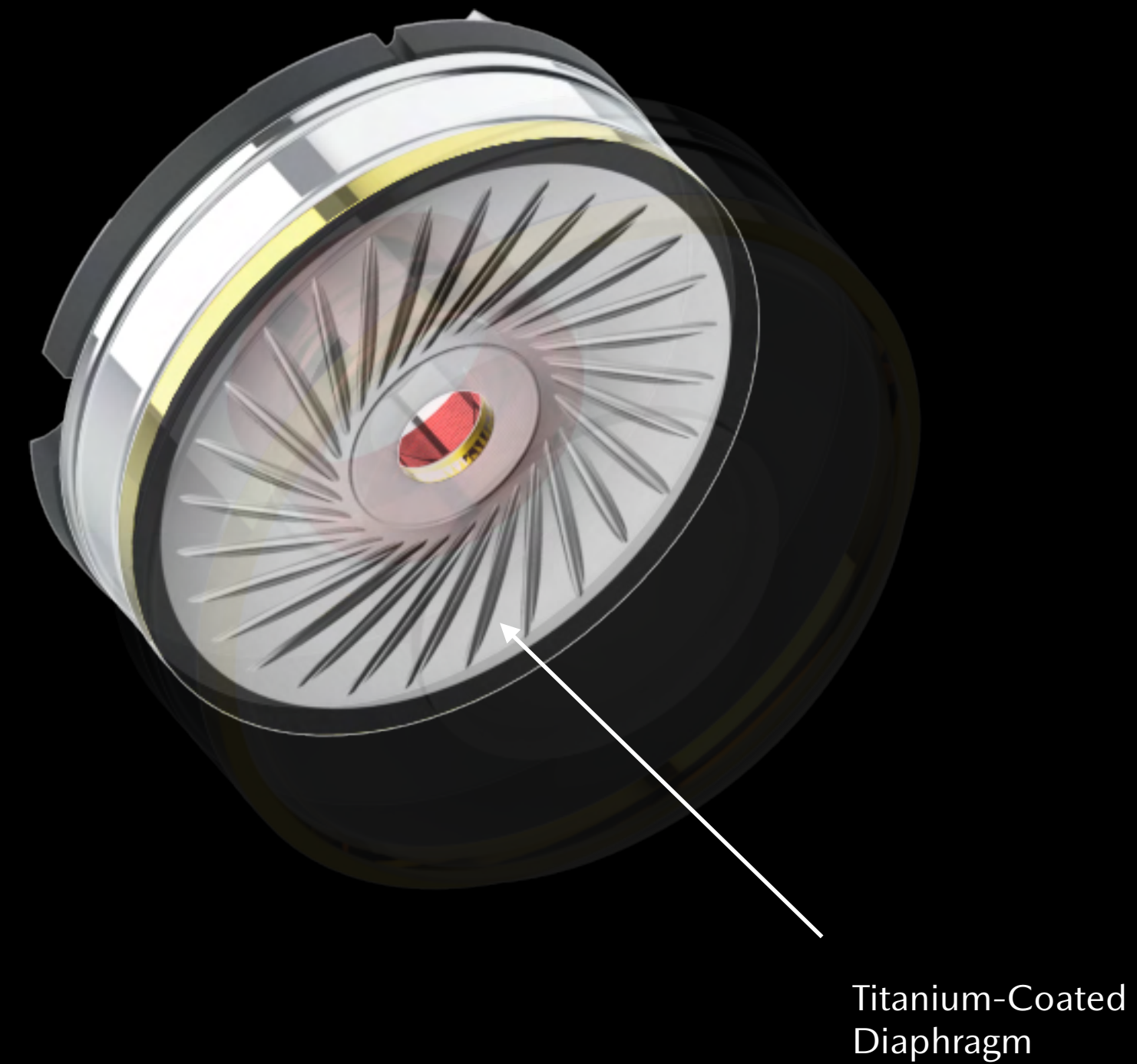
STRUCTURAL FOAM CELL DRIVER

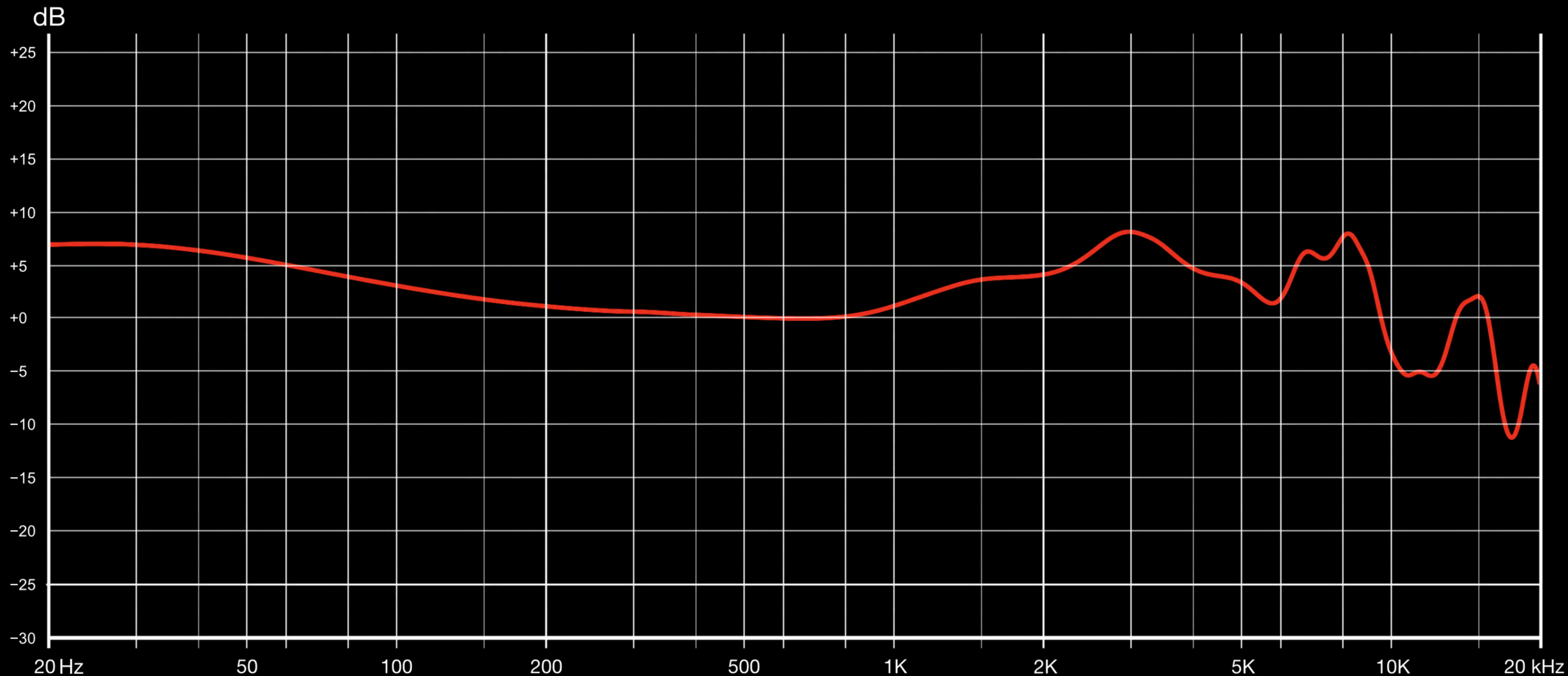
Inspired by our advanced ECLIPSE driver designs, this unique 8 mm woofer driver pairs an extremely lightweight yet rigid structural foam cell dome to a flexible, independent surround, allowing the driver to behave like a natural woofer, with deep bass reproduction and dynamics.



NANOCRYSTALLINE TITANIUM DRIVER

Positioned behind and acoustically coupled to the foam cell driver, this titanium-coated driver does not have a domed design and allows the dual unit to reproduce lower midrange frequencies with stellar linearity and quality transient response.





Measured with wide-mouthed DUNU brand silicone ear tips (small size) on GRAS RA0045 with 40AO-equivalent WS2P pre-polarized pressure field microphone (rated for a flat frequency response from 20 Hz to 20 kHz). No major difference was noted in measurements with swept sine and periodic pink noise sources.



SPECIFICATIONS

BRAND: DUNU

MANUFACTURER: DONGGUAN TOP DEN ELECTRONICS CO. LTD.

MODEL: DK-X6 (VULKAN)

NET WEIGHT: 17 g

FREQUENCY RESPONSE: 5 Hz – 40 kHz (HI-RES Certified)

IMPEDANCE: 15 Ω at 1 kHz

SENSITIVITY: 109 $\pm$ 1 dB at 1 kHz

TOTAL HARMONIC DISTORTION: < 0.3% at 1 kHz

DRIVER UNITS

DYNAMIC DRIVER UNITS [2]:

8 mm Structural Foam Cell Dome with Soft Independent Surround [1]

8 mm Nanocrystalline Titanium-Coated Diaphragm [1]

BALANCED ARMATURE UNITS [4]:

Knowles Mid-High Driver ($\times$ 2) [2]

Knowles Dual Supertweeter ($\times$ 1) [2]

CABLE SPECIFICATIONS

WIRE MATERIAL: 4 Core, High-Purity, Silver-Plated OCC Copper Type 1 Litz (DUW-02S)

LENGTH: 1.2 $\pm$ 0.1 m

CABLE CONNECTOR: Patented Catch-Hold MMCX Connector

PLUG CONNECTOR: Patented Q-Lock PLUS Quick-Switch Modular Plug System

INCLUDED PLUG TERMINATIONS:

3.5 mm TRS Single-Ended

2.5 mm TRRS Balanced

4.4 mm TRRS Balanced





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EST 2003

20 YEARS OF

**EXCELLENCE
INNOVATION**

