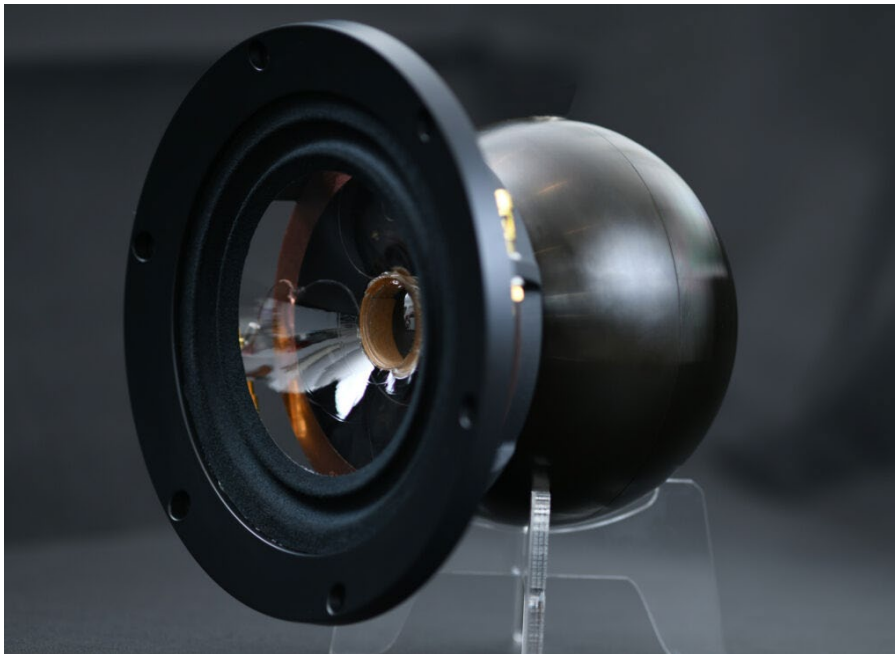


Full-Range Speaker Unit Brand Feastrex Adopts Sonarion™ Diaphragm

Nippon Electric Glass Co., Ltd. (Headquarters: Otsu, Shiga, Japan; President: Akira Kishimoto; “NEG”) is pleased to announce that speaker diaphragm made with its Ultra-thin Glass, Sonarion™, has been adopted by Feastrex, a full-range speaker unit brand.

Sonarion™ diaphragms are increasingly being adopted by multiple acoustic audio brands, with applications in the audio field continuing to expand.



Speaker unit featuring a Sonarion™ diaphragm

■About Feastrex

Feastrex is a Japanese high-end speaker unit brand dedicated to faithfully reproducing the emotional impact of music. Rather than pursuing a race for specifications, the brand prioritizes reproducing the composer’s intent, the performer’s passion, and even the ambiance of the performance space.

Technologically, Feastrex employs a field-coil spherical magnetic circuit designed to minimize magnetic distortion, a high-rigidity cone, and a wire suspension system. These technologies aim to reproduce often-clouded low frequencies and harsh mid-to-high frequencies as refined, natural tones. As a result, listeners can enjoy a high level of immersion, as if they were present at the performance itself.

All products are made to order and delivered only after hand assembly and tuning through listening tests. This uncompromising approach to sound creation has earned Feastrex strong support from audio enthusiasts around the world.

■About Sonarion™ Diaphragms

NEG jointly developed a glass diaphragm using Sonarion™ with GAIT (Glass Acoustic Innovations Co., Ltd.), a Taiwanese company with advanced 3D processing technology. By applying three-dimensional forming and a specially developed chemical strengthening process to glass designed specifically for this purpose, the diaphragm achieves the characteristics required of high-performance acoustic materials.

[Features]

- Compared to materials such as paper or metal, it offers faster sound attack and decay[※], delivering clearer, more precise sound with minimal distortion.
- The material inherently has high internal loss with low self-resonance, resulting in very little coloration.
- Lightweight and highly responsive, capable of accurately reproducing the subtle nuances of delicate sounds.
- The glass surface is strengthened with a special chemical treatment, enabling it to withstand intense vibrations from heavy bass.
- Resistant to environmental changes such as temperature and humidity, and less prone to aging over time.



Diaphragm using Sonarion™

※ "Sound attack" refers to the time or speed of response from when a sound begins to its peak. A fast attack time results in clear sound contours, allowing the attack of percussion and string instruments to be reproduced distinctly. Conversely, "sound decay" indicates how quickly the sound fades after it has finished sounding. A fast decay prevents unwanted lingering sound, allowing the next note to be heard clearly. This results in a tighter, overall sound with less distortion.

【Related Articles on Our Website】

- [Ultra-thin Glass Diaphragms, the Key to Next-Generation Quality Sound Speakers](#)
- [Global Speaker Unit Manufacturer SEAS Adopts Ultra-thin Glass Diaphragm](#)
- [Ultra-thin Glass for Speaker Diaphragm Named "Sonarion"](#)

■ About GAIT (Glass Acoustic Innovations Co., Ltd.)

GAIT is the world's only glass processing company capable of precise 3D processing of Ultra-thin Glass, and the investor of glass diaphragm technology. Founded in 2020, this startup is headquartered in Taipei, Taiwan.

In April 2024, GAIT entered a strategic partnership with NEG to jointly advance the development, manufacturing, and market deployment of Sonarion™ diaphragms for the audio industry.

[Company Profile]

Nippon Electric Glass Co., Ltd. is a world-class specialty glass manufacturer headquartered in Otsu City, Shiga Prefecture. Special glass that creates novel functionality is transformed into a variety of products, such as sheets, tubes, fibers, and powder, and is used in a wide range of fields, including semiconductors, displays, automobiles, electronic devices, medical care, and energy. The special glass developed using the technology and track record that we have honed over our 70-year history is highly regarded in a wide range of fields, from everyday life to cutting-edge industry.

Company name: Nippon Electric Glass Co., Ltd.

Representative: Akira Kishimoto, President

Head office location: 7-1, Seiran 2-chome, Otsu, Shiga 520-8639, Japan

Founded: December 1, 1949

Business details: Production and sale of special glass products; manufacture and sale of glassmaking machinery

URL: <https://www.neg.co.jp/en/>

Nippon Electric Glass Co., Ltd. 7-1, Seiran 2-chome, Otsu, Shiga 520-8639, Japan

<Contact regarding products>

[Contact Form](#)