



Glass Acoustic Innovations Technology Co., LTD.

GLASS
DIAPHRAGM

REDEFINING THE BEAUTY OF SOUND

www.gai-tech.com

5F., No. 4, Ln. 8, Datong St., Banqiao Dist.,
New Taipei City 220018, Taiwan (R.O.C)

GAIT


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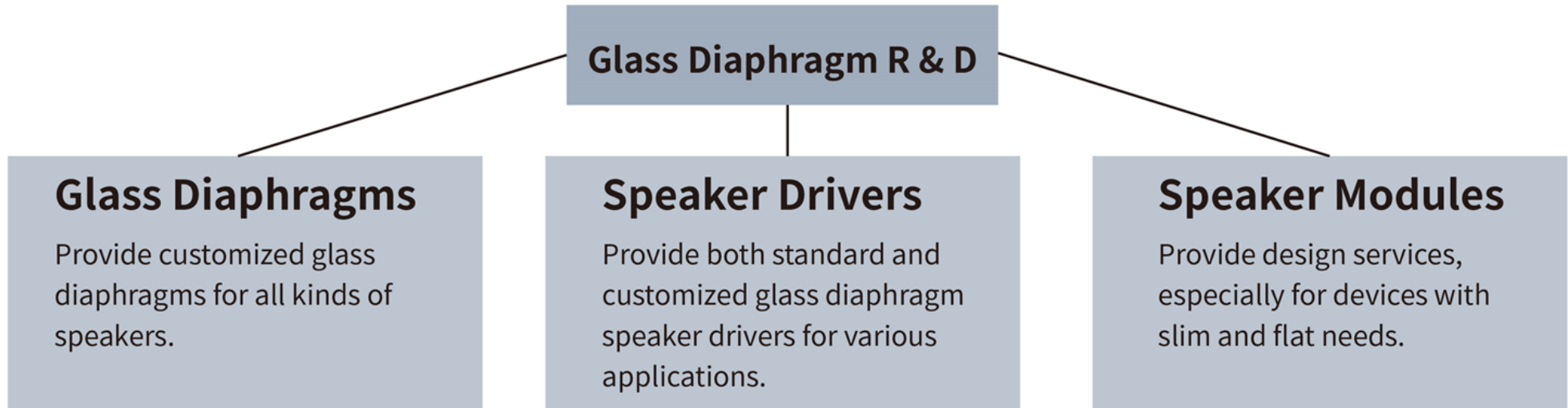
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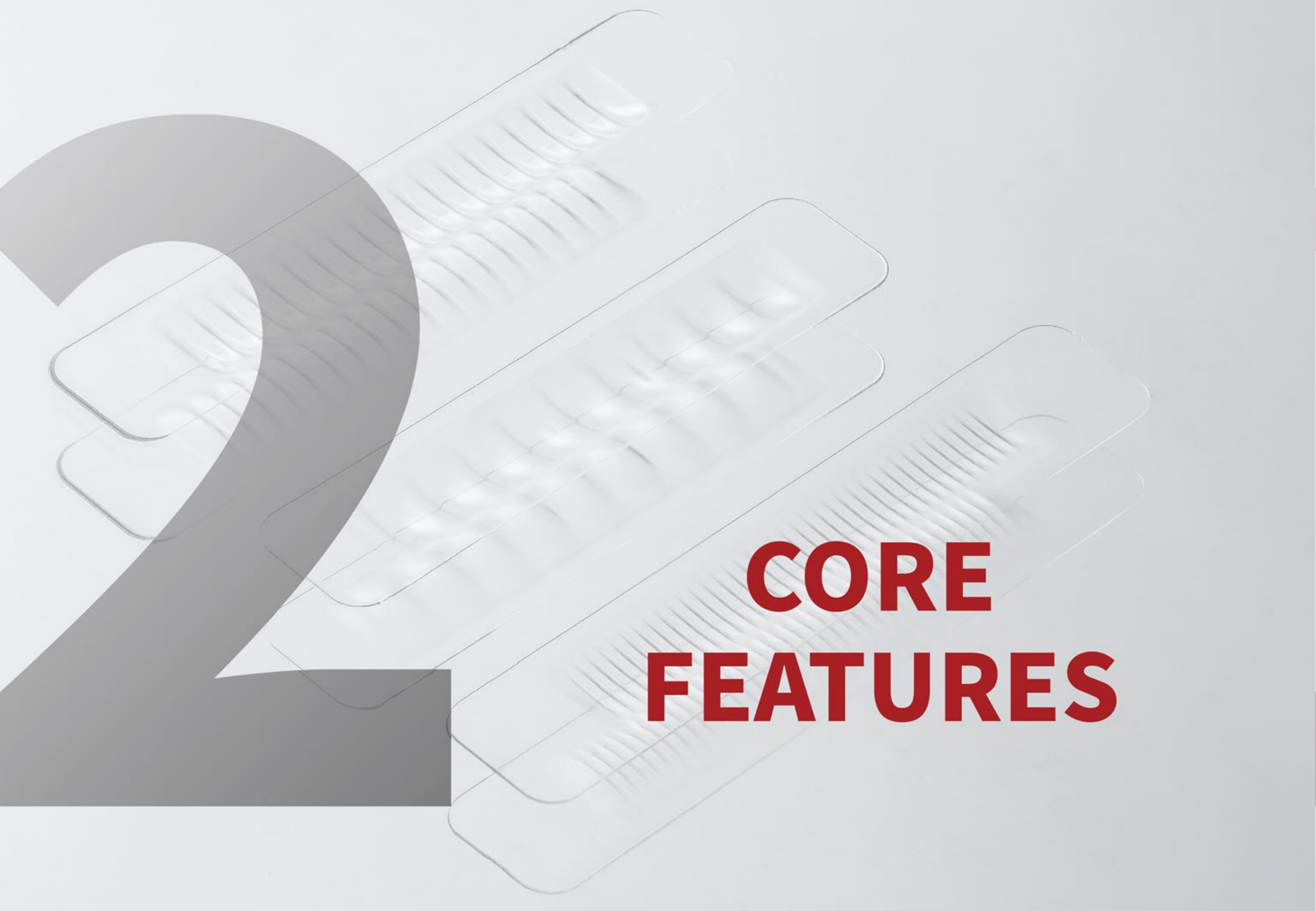
COMPANY DIRECTION

Company Direction



GAIT Focus Points :

- Providing quality glass diaphragms to customers utilizing speakers through various products, including headphones, mobile phones, laptops, and more.
- Satisfying customer needs through glass diaphragm speaker drivers that optimize sound quality of wider frequency ranges.
- Offering customized design services for speaker modules, especially for devices with slim audio designs.



CORE FEATURES

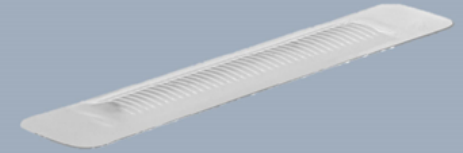
Core Features

Wider Frequency Range

- The light-weight and high-strength nature of glass diaphragms allow for exceptional wide-range speakers.

Ultra-Thin Speakers

- The high-strength capabilities of glass diaphragms offer loud volumes and high power, even in a compact form.



Diaphragm

Glass Diaphragm



Traditional Speaker

Ultra-Thin Glass Diaphragm Speaker



Core Features

Key Features of Glass Diaphragms :

High Transducing Efficiency

- High mechanical strength
- Low density
- Fast sound speed

Wider Frequency Ranges

- High stiffness (resulting in reduced split vibrations and minor distortions at low frequencies)
- Fast sound speed

High Timbre Resolution

- Proper rigidity and damping effects
- High resolutions and outstanding sound quality

High Processability/Reliability

- Easy for 3D shaping
- Durable coating
- Strong adhesive
- High transparency
- Resistant to water, moisture, and mildew
- Efficient heat dissipation
- Resistant to temperature changes
- Resistant to UV

Core Features



Fully-Optimized Diaphragm

Fast Sound
Velocity

Flat, thin, low
density, light weight,
as thin as 0.03mm

High Mechanical
Strength/Strong
Rigidity

High processability,
high reliability, low
expansion, resistant
to water, flame, and
chemical solvents



Product Series

Product Series

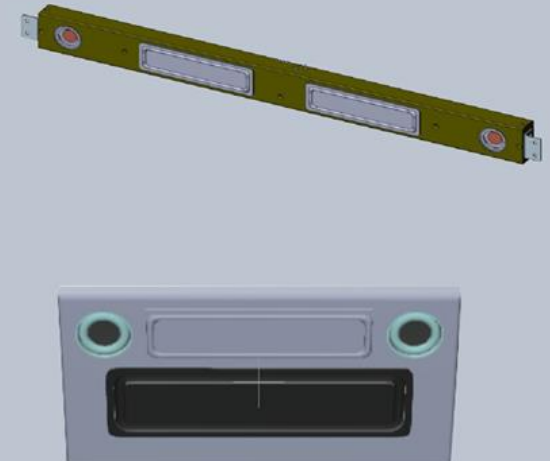
GLASS DIAPHRAGM



GLASS DIAPHRAGM SPEAKER DRIVER



SPEAKER MODULE



Glass Diaphragm Products

- Providing glass diaphragms ranging from 0.03 to 0.7 mm, perfect for 3D shaping with up to three or more curved surfaces.
- Suitable for speakers used in laptops, tablets, mobile phones, headphones, and all other types of audio applications.



Flat Model



One Curved Surface



Two Curved Surfaces



Three Curved Surfaces

Flat Speaker Product Line

Applicable for : Mobile Phones, Laptops, BT Audio, TVs, Sound Bars, and more



10cm/10W
200~10K HZ



14cm/15W
200~10K HZ



20*5 cm/50W 30~10K HZ
Peak Displacement +/-5mm



3D,18cm/30W
30~10K HZ

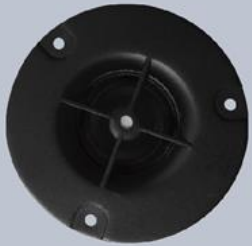


18cm/30W
30~10K HZ

Larger 

Cone Speaker Product Line

Applicable for : BT Audio, TVs, Sound Bars, General Audio, and more



38mm/5W
1K~40K HZ



40mm/5W
250~20K HZ



40mm/5W
250~18K HZ



50mm/10W
150~15K HZ



4.5" 3D /25W/ 50~2K HZ



4.5" /25W/ 50~2K HZ



4" 3D/20W /50~15K HZ

Larger 

Bluetooth Module

800 ml / 500 ml :

26 mm Ultra Thin Speaker

- The thinnest, most compact low frequency (50 Hz/83 db) speaker module available
- Waterproof

Small Speakers with High Power and Low Frequencies

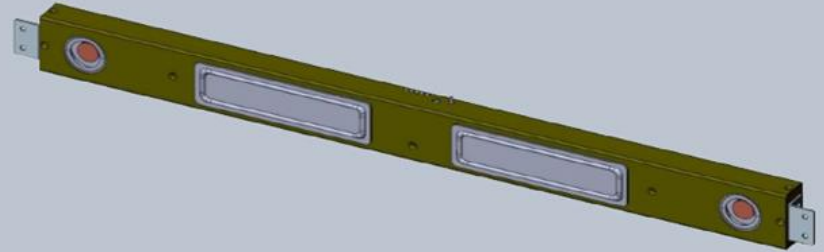
- High power capacities up to 60W
- Frequencies as low as 50 Hz
- Suitable for various thin devices



Sound Bar Module

1000ml / 1400ml :

- High rigidity of glass diaphragms produce bass effects with high powers up to 100W
- Ultra-thin, with outer diameters of 26 ~ 30 mm
- High sound velocity transmission of glass diaphragms deliver clear treble
- Exceptional frequency range of 50 ~ 22K Hz
- Specifically designed for thin TVs and Sound Bars





APPLICATIONS



bdnc







CONCLUSION

CONCLUSION

Glass has many characteristics -- among them include strong rigidity and high processability. These features coupled with well-developed ultra-thin glass technologies allow for distinctive acoustic diaphragms unlike any other! These diaphragms exhibit unique acoustic abilities, including:

1. Excellent damping effects
2. Superb heavy bass audio quality in even the thinnest speakers, unmatched by anything similar on the market
3. In small speakers, melodious sounds at high frequencies
4. In large speakers, basses powerful enough to rock your world!

Not to mention, the innovative integrated design of glass diaphragms, LEDs, and flat-panel displays provide the groundwork for future creative product and application developments that we are beyond excited for!

GAIT is thrilled at the opportunity to provide you with various glass diaphragm products and services and welcomes all cooperation and partnership endeavors!

TW : www.gai-tech.com/info@gai-tech.com