

- **DML Exciters** is the force behind the success of Distributed Mode Loudspeaker technology.
- If you've seen a surface-mounted "exciter" in the field or in a product—you've seen us. We are the name behind the component, the design, and often the results.
- As the solutions-driven division of our Dongguan-based operation - we work directly with engineers at **Tier 1 suppliers, global OEMs, and SMOs** to integrate DML technology into the next generation of audible and haptic products across every industry where sound matters.
- Our mission is to **educate, advise, and integrate DML into next-generation products** across a wide range of **audible and haptic applications**.



Surface Sound Solutions for Innovative Product Integration

## Markets for DML Exciter Audio Integration

### Consumer Electronics

TVs, monitors, tablets, and smart displays  
Smart mirrors and digital picture frames  
Flat-panel speaker systems

### Automotive & Transportation

Car door panels, headliners, dashboards  
Aircraft cabin panels, seatbacks  
Train and bus interior panels

### Home & Smart Home

Hidden audio in furniture, walls, ceilings  
Smart appliances (e.g., refrigerators, mirrors)  
Wellness and spa environments

### Commercial Spaces

Digital signage and kiosks  
ATMs and self-service terminals  
Retail store fixtures and fitting rooms

### Healthcare

Hospital beds and medical equipment panels  
Audio alerts for patients without speakers

### Furniture & Interiors

Beds, headboards, desks, chairs  
Hotel room surfaces for immersive audio

### Advertising & Exhibits

Museum installations  
Trade show booths and interactive displays  
Vending machines

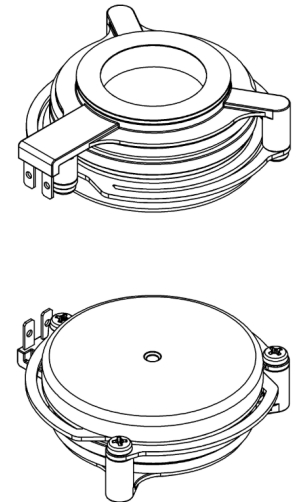
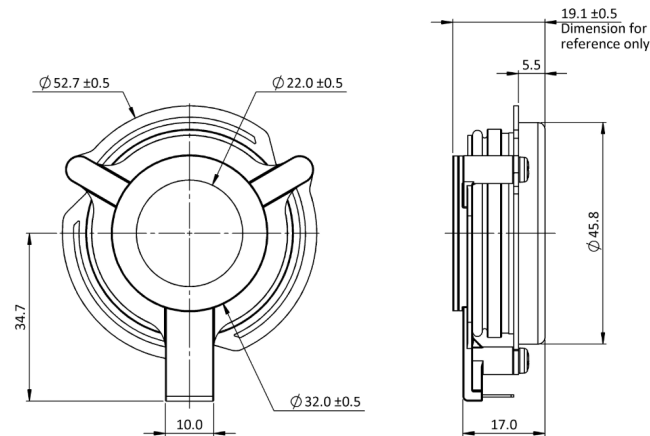
### Education & Training

Flat classroom panels  
Learning tools and interactive boards

### Military & Aerospace

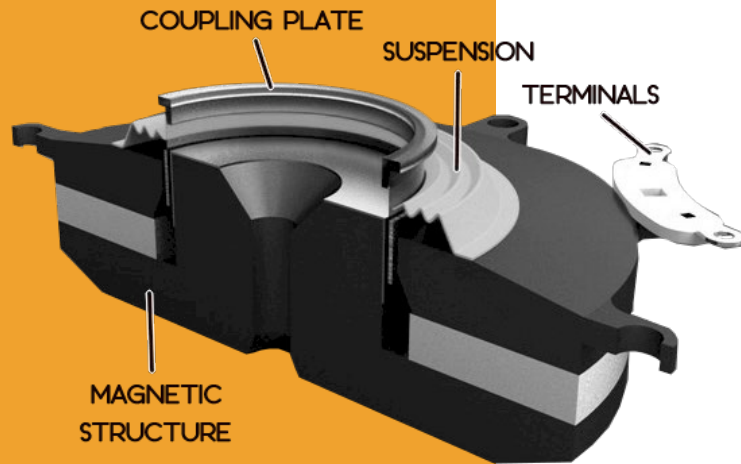
Cockpit or control room surfaces  
Covert communication surfaces

# Surface Sound Solutions for Innovative Product Integration



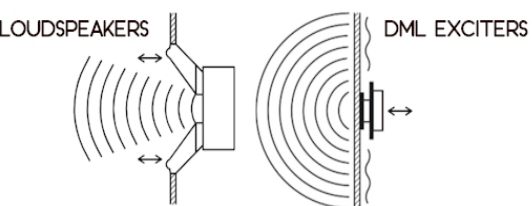
## About DML Exciters

DML Exciters specializes in Distributed Mode Loudspeaker (DML) technology to transform surfaces into sound. With over 20 years of experience, we support your product from concept to production.



- We offer design, FEA-based acoustic modeling, custom mounting solutions, and contract manufacturing.
- Trusted by leading companies in markets serving the Kitchen/Bath, Aviation, Automotive, Gaming and more.

# Transducer Characteristics



	DML Exciters	Traditional Speakers
Sound Generation Method	Vibrates flat surfaces to create bending waves	Moves a diaphragm (cone) to push air (pistonic)
Directionality	Wide dispersion – sound radiates in all directions	Narrow dispersion – more directional and focused
Form Factor	Hidden behind/inside materials (panels, glass, etc.)	Visible driver with grille or enclosure
Mounting Flexibility	Mounts to almost any flat, rigid surface	Requires enclosure or baffle
Bass Performance	Limited low-end due to lack of cone movement	Better low-end response due to piston-like motion
Audio Clarity	Uniform sound field, less focused imaging	Clear imaging, better suited for stereo imaging
Applications	Kiosks, displays, furniture, signage, OEM products	Home audio, portable speakers, pro sound systems
Design Aesthetic	Invisible sound source	Visibly integrated into product housing
Weight & Size	Small, lightweight component	Can be bulky, especially with large enclosures
Sound Behavior at High Frequencies	Maintains dispersion even at high frequencies	Becomes increasingly directional at higher frequencies
Installation Complexity	Requires tuning surface material and mounting	Off-the-shelf with predictable enclosure design

# Transform Surfaces into Sound.

From concept to integration—get expert support.

Contact us to discuss your next project:

DML Exciters



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[www.exciters.cn](http://www.exciters.cn)