### **Expansive Acoustic Engineering Expertise**

### Mobile Speaker Design Capability

Our Mobile Speakers cutting edge voicecoil & diaphragm design result in:

- ➤ Minimal Total Harmonic Distortion (THD)
- ➤ Flat Frequency Response
- Custom Chambering and Porting
- ➤ Chamber Free Options

## Diligent Diaphragm Design

Our Round and Square Speakers are designed with a variety of cutting-edge diaphragm materials, providing:

- ➤ Flat Frequency Response
- Lush stereo-sounding output
- ➤ Energy efficient decibel-to-wattage ratio
- Easy mounting onto PCBAs & pre-fabricated frames



We provide innovative audio, battery and wire assemblies to integrate either an offthe-shelf or custom designed part. Let us help determine what's perfect through Free-of-Cost Design Consultations.

#### Quality is Key

Our Quality Control and Product Assurance procedures ensure our components are designed in accordance with globally compliant operational guidelines and all relevant environmental standards.

#### **Breakthrough Business**

Our Sales Team is equipped with our interactive Demo Sample Kit, providing an immersive, real-time audio experience of over 60 of our most popular products.

















### **PRODUCT OVERVIEW**

**ENGINEERED FOR EVERYONE** 

# Tried-and-True Piezoelectric and Electromagnetic Components



#### **Patented Product**

Our Indicators are optimized to use our **Patented PinPoint Technology,** incorporating Sound

Localization, the ability to locate a sound only

through acoustics.





Piezoelectric, Mechanical & Electromagnetic DC powered sounders with **well controlled, defined outputs** and options for Multi-Alarm Interfaces (MAI).



#### **Sound Transducers**

Piezoelectric & Electromagnetic **low cost and high performance** units with no internal circuitry to play any AC-powered tone.





**Ultra low cost & minimal footprint** units which allow you to control all aspects of the design.



#### **ECM & MEMS Microphones**

Omnidirectional, Unidirectional & Noise Cancelling **precision-made** microphones innovated for new design applications.





- **♦** Unique Acoustic Propagation Methods
- Maximum Desired Audio Output
- Minimal Chamber & Speaker Footprint



Sealed



Ported

Flattest Response & Small Dimensional Footprint

Low-Frequency Boosting





. Passive Radiator

Low-Frequency Boosting & Improved Dimensional Footprint



- Aperiodic

Smallest Dimensional Footprint

# Fully Customized Battery and Wire Assembly Solutions



We provide premium RF and standard wire assemblies tailored to your specifications, combining dedicated quality control with the flexibility to meet diverse applications.

#### **Battery Assemblies**

We provide innovative materials & custom designs resulting in a Rugged, Durable, and Lightweight solution for all battery configurations, even reaching IP ratings.

#### **Built to Outlast**

We provide **rugged and long-lasting products** many of which are rated up to
Ingress Protection (IP) 68 ensuring our
products function in:



Severe Weather
Conditions



Extreme Temperatures



Waterproof Applications