



STETRON PRODUCT GUIDE

Whether your application calls for the right Loudspeaker, Microphone, Dynamic Receiver or a Full Box Solution, we have the experience and knowledge to support you from concept through to production.

Product	Features	Applications
 <p>Micro-Speakers 10mm - 30mm</p>	<ul style="list-style-type: none"> ▶ Ultra - slim profile ▶ Compound Cone designs ▶ Low THD ▶ High SPL ▶ Round, rectangular and oval form factors 	<ul style="list-style-type: none"> ▶ Mobile devices ▶ Wearables ▶ PNDs (GPS) ▶ Notebook computers ▶ Connected home
 <p>Mid Size Speakers 36mm - 57mm</p>	<ul style="list-style-type: none"> ▶ Low profile ▶ Wide band and narrow band ▶ Round, rectangular and oval form factors ▶ Low THD ▶ High SPL 	<ul style="list-style-type: none"> ▶ Telephony ▶ BT sound box ▶ Tablets ▶ BT car kits ▶ GPS ▶ Multi Media
 <p>Telecom Speakers/Receivers</p>	<ul style="list-style-type: none"> ▶ Up to 18kV ESD Tolerance ▶ Rigid Quality Standards ▶ Flat Frequency Response ▶ Low THD ▶ Wide band and narrow band 	<ul style="list-style-type: none"> ▶ Telephony ▶ Conference units ▶ Laptop Computers ▶ Intercom ▶ Instrumentation ▶ Multi Media
 <p>Commercial Sound</p>	<ul style="list-style-type: none"> ▶ Very Rugged Design ▶ Smooth Response Wide Frequency Range ▶ Low Resonance Frequency 	<ul style="list-style-type: none"> ▶ PA / Background Music / Paging ▶ Residential / Business Medical / Municipal ▶ Commercial Audio OEM's ▶ Sound Masking ▶ Multi Media
 <p>High Temp, Waterproof Speakers and Microphones</p>	<ul style="list-style-type: none"> ▶ High Temperature per NFPA ▶ Waterproof ▶ Low Distortion ▶ High SPL Output (Speakers) ▶ High SPL Input (Microphones) ▶ High SNR (Microphones) 	<ul style="list-style-type: none"> ▶ Respiratory Protection ▶ Extreme High Temperature Applications
 <p>Fire Alarm/Evacuation Speakers 2" to 4"</p>	<ul style="list-style-type: none"> ▶ Extensively Tested, Qualified for UL & ULC Component Compliance ▶ UL1480(2005) ▶ ULC ▶ UL217 520Hz Smoke alarm Standard ▶ High Output, Flat Response, Low Distortion 	<ul style="list-style-type: none"> ▶ Indoor ▶ Outdoor
 <p>Customized Enclosure Systems</p>	<ul style="list-style-type: none"> ▶ Woofer ▶ Tweeter ▶ Passive Radiator ▶ Mid Range ▶ 3D print or CNC prototyping 	<ul style="list-style-type: none"> ▶ Any application requiring an enclosure for a loudspeaker
 <p>Electret Microphones 4mm - 10mm</p>	<ul style="list-style-type: none"> ▶ Omni / Uni Directional and Noise Cancelling ▶ SMT, Pin and Wire type ▶ High sensitivity and SNR ▶ Waterproof to IPX 8 ▶ High Input SPL 	<ul style="list-style-type: none"> ▶ Telephony ▶ Wearables ▶ BT car kits ▶ GPS ▶ Mobile devices ▶ Fire and safety ▶ Multi Media
 <p>Dynamic Receivers 29mm - 40mm</p>	<ul style="list-style-type: none"> ▶ Low profile ▶ Wide band and narrow band per TIA ▶ Low THD ▶ High SPL ▶ Encapsulated ▶ HAC compatible 	<ul style="list-style-type: none"> ▶ Telephony ▶ Headsets ▶ Gaming ▶ Hearing impaired devices



STETRON

Stetron is an audio solutions provider to companies worldwide. We support innovation with a range of Audio Engineering & Design services along with components that are standard or custom designed to meet your needs.

WHAT WE DO

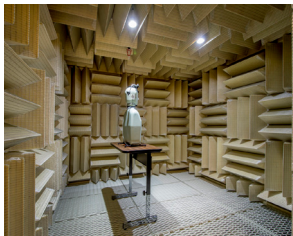
DESIGN



Equipped with the right tools and software for every step of the process, Stetron can create a **custom, high-performing component** from your checklist of acoustic needs and design parameters.

The entire design process is transparent and collaborative, enabling our clients to fully comprehend the final design and its technology.

TESTING



We take audio performance seriously. That's why **all of our factories are fully-equipped with an anechoic chamber** to accurately measure and test your product before deployment.

Using a combination of software and hardware tools, 100% of the acoustic testing is done in-house, allowing for quick changes and solutions to every design.

MANUFACTURING



In order to achieve the highest level of consistency with our audio components, **Stetron's manufacturing process includes:**

- 12 Full and semi-automated production lines
- 30,000 m² of production space
- 100% production line testing
- Strict quality control

LOGISTICS



Stetron has over **50 years of experience** shipping products around the world.

We efficiently integrate a complex flow of operations to quickly fulfill orders and deliver product globally to the destination of your choice.

OUR CORE OFFERING



Speakers



Microphones



Dynamic Receivers



Integrated Audio Solutions

AUDIO ENGINEERING SERVICES

LAB FACILITIES

- › Anechoic Chamber
- › Standard IEC268-5 Baffle
- › B&K Artificial Ears and HATS
- › Klippel, Clio and SoundCheck Audio Measurement System

DESIGN SUPPORT

- › Customized acoustic component design
- › Component and System Simulation
- › "Fast to Market" Project Optimization
 - CNC samples - Component
 - SLA, CNC, 3D capabilities
- › Benchmark product investigation & comparison

STANDARD SERVICES

- › Acoustic component recommendation
- › Component performance verification
- › Component prototyping support

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WWW.STETRON.COM

