

# YOUR SOURCE FOR AUDIO SUPPORT

## Audio Engineering Services Overview

ONE SOURCE, MANY SOLUTIONS.



# Audio Engineering Value Proposition

- Component Testing
- Software Simulation
- Mock-up Evaluation
- Benchmarking

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# What We Offer

- Lab Facilities
- Standard Services
- Design Support

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# Lab Facilities

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

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# Component Testing: Speaker



- Anechoic Chamber
- Standard IEC 268-5 Baffle
- Calibrated B&K Microphone
- Calibrated amplifiers
- Calibrated mic-pre amplifiers



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# Component Testing: Receivers and Microphones



**B&K Artificial Ear**



**B&K HATS:  
Head and Torso Simulator**



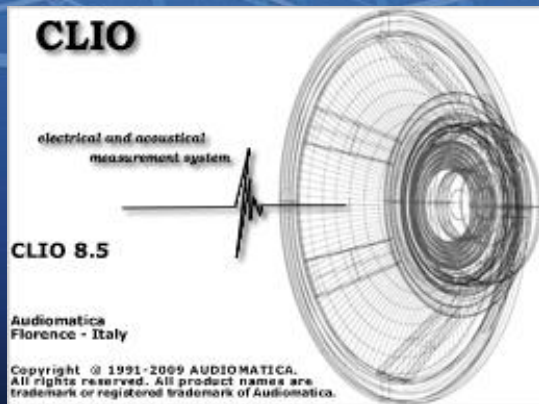
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# Component Testing: Measurement System

Stetron uses a combination of software hardware tools such as **CLIO**, **SoundCheck** and **Klippel** to test your product and deliver the best solutions for every design.



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# Standard Services

- Acoustic Component Recommendation
- Component Performance Verification
- Mass Production Quality Control
- Component Prototyping Support

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# Design Support

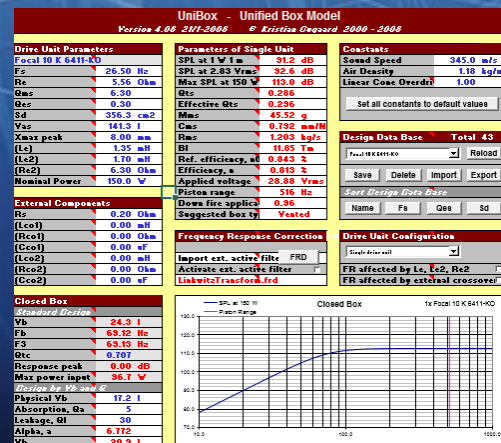
- Customized acoustic component design
- Simulation- Component and System
- “Fast to Market” Project Optimization
  - CNC samples – Component
  - SLA, CNC, 3D capabilities
- Benchmark product
- investigation and comparison

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# Software Simulation

- Provide product level performance estimation calculated from theoretical models.
- WinSpeakerz
- Fine Motor
- Various Online Tools



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# Mock-Up Evaluation

- Make physical box samples to simulate the application status and provide product level performance estimation based on real sample test.
- Evaluate customer supplied product for acoustic performance and provide suggested improvements



Customer  
Supplied  
Product



Regular  
Project Box



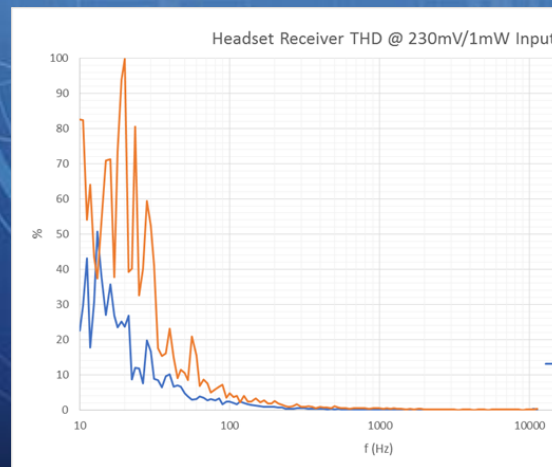
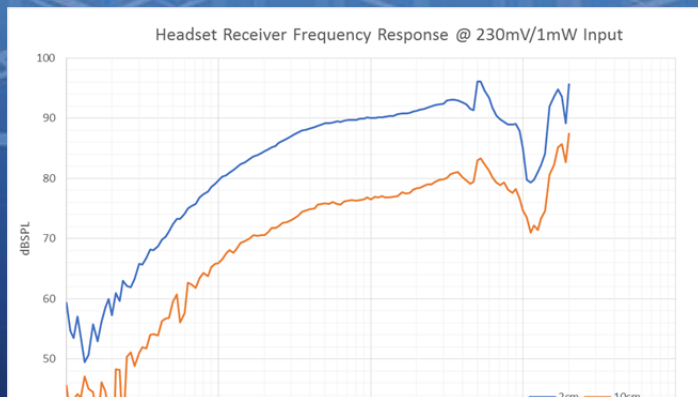
3D Printed  
Customized  
Enclosure

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# Benchmarking

- Make thorough analysis of target product's acoustic design
- Provide solutions for comparable component
- Report Generation



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# Contact Us

- Email Us: [contact@stetron.com](mailto:contact@stetron.com)
- Website: [www.stetron.com](http://www.stetron.com)
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