

China Future Sound Provides OEM, ODM for All Car Amplifiers

China-based manufacturer offers customized amplifier production services with ISO9001-2015 certified quality control processes.



JIAXING, CHINA, October 24, 2025 /EINPresswire.com/ -- [China Future Sound](#), a professional audio manufacturing company with operations spanning over two decades, provides OEM (Original Equipment Manufacturer) and ODM (Original Design Manufacturer) services for car amplifiers to businesses across the United States and international markets. The company's production capabilities address the demand for customized audio solutions in the automotive sector.

The manufacturing facility in Jiashan follows a detailed amplifier production procedure that includes six key stages — SMT, DIP (dual in-line package), PCBA testing, Assembly, Aging & Testing, and Packing — with specific inspection processes at each step to ensure product reliability and performance.

- SMT: Inspection processes include SPI and SMT AOI.
- DIP: Inspection process includes insertion AOI.
- PCBA Testing: Inspection processes include after wave soldering AOI, FCT (Functional Circuit Test), and AP testing (Audio Precision).
- Assemble: Inspection process includes FCT (Functional Circuit Test).
- Aging & Testing: Inspection processes include aging testing and AP testing (Audio Precision).
- Packing: Inspection process includes pure sound testing.

Each production stage follows documented procedures aligned with the company's ISO9001-2015 Quality Management System certification.

Quality control measures are implemented across multiple inspection points throughout the manufacturing process. The company utilizes Enterprise Resource Planning (ERP) and

Warehouse Management Systems (WMS) to manage inventory and enforce First-In-First-Out (FIFO) protocols for raw materials, semi-finished products, and finished goods. Production oversight includes:

- Incoming Quality Control (IQC) conducting random inspections on all incoming materials
- In-Process Quality Control (IPQC) monitoring mass production operations
- Final Quality Control (FQC) inspecting completed products
- Reliability Laboratory conducting regular testing according to design specifications

The company employs KLIPPEL QC systems combined with golden sample standards for consistency control during production. Barcode and QR code systems track testing routes and bind test data to ensure product traceability throughout the manufacturing cycle.

"Our production capacity enables us to serve clients requiring bulk orders while maintaining quality standards," said Mr. Sam Hu, Spokesperson for China Future Sound. "The facility's 300-employee workforce supports the manufacture of 1,000 amplifiers daily, with technical staff bringing over 20 years of audio industry experience to the production process."

The company's R&D team comprises over 20 personnel organized into four specialized units: Acoustics Team, Electronics Team, Structure Team, and Software Development Team. The Acoustics Team employs finite element simulation software for magnetic circuit and speaker vibration system modeling, utilizing KLIPPEL R&D systems for sample testing. Engineers conduct short-term destructive power tests and long-term power tests to simulate extended usage conditions.

The Electronics Team applies design simulation software for circuit and programmable logic system performance analysis. Testing equipment includes AP Audio Precision systems, SMD Amplifier Dyno AD-1, adjustable frequency power supplies (eec6900s), and programmable power supplies (SPS5000) to verify samples meet design parameters.

Structure Team operations incorporate 3D modeling tools for product structure design, utilizing 3D printing for rapid prototyping and CNC (Computer Numerical Control) processing for precision manufacturing. For complex configurations, the team applies 3D scanning technology to verify accessories conform to design requirements.

The Software Development Team utilizes Integrated Development Environments including Keil, MPLAB X, Sigma Studio, CCES, and Arduino for coding, debugging, and compiling based on chip platforms. VS Code supports code reading and writing operations, while mathematical modeling and simulation platforms implement algorithms. Software evaluation includes assessment of time complexity, space complexity, and reliability through black-box and white-box testing

methods.

The company's amplifier product line includes monoblock configurations, 4-channel systems, 5-channel arrangements, and equalizer units. Each category offers customization options to accommodate specific client requirements for bulk orders, custom designs, or specialized features.

Located in Jiashan, approximately 20 minutes from Shanghai, the facility's positioning supports ocean freight logistics for worldwide distribution. The 6-acre manufacturing site serves clients across the United States, with additional markets including Ghana, Nigeria, Turkey, and Russia.

Production lead times benefit from the facility's manufacturing capacity and the technical knowledge of engineering staff. The company's operations focus on delivering audio products at competitive prices while maintaining efficient production schedules.

Businesses across the United States seeking OEM or ODM amplifier solutions can contact China Future Sound at +86 139 6730 8635 or visit <https://www.chinafuturesound.com/> for technical specifications and production capabilities. The company's blog at <https://www.chinafuturesound.com/blog/> provides additional information about manufacturing processes and product development.

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About China Future Sound

China Future Sound was founded in 2003 with a focus on supplying car audio and professional audio products to the global market at competitive prices with efficient production and shipping times. Located in Jiashan, China, the company operates a 6-acre manufacturing facility with 300 employees, producing 5,000 speakers and 1,000 amplifiers daily. The United States serves as the company's largest market, with additional primary markets, including Ghana, Nigeria, Turkey, and Russia. The company's executive technical staff brings over 20 years of audio industry experience, enabling superior products with short production lead times. The company maintains ISO9001-2015 Quality Management System certification and operates with a dedicated R&D team of over 20 people across specialized engineering disciplines.

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Notes to Editors:

- China Future Sound's factory is strategically located near Shanghai to streamline global logistics.
- The company manufactures and exports to B2B clients only and does not sell directly to consumers.
- The company's development process includes advanced testing methodologies using KLIPPEL systems, AP Audio Precision equipment, and comprehensive quality control protocols.
- All production maintains strict traceability through integrated barcode/QR code systems and follows ISO9001-2015 quality management standards.
- For accurate contextual referencing and further details, please consult the original website or reach out to the company contact listed above.

End of Press Release.

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