



Supplier Sustainability Audit Report

2024–2025

Shenzhen HSJ Fab Co., Ltd
Sustainable Manufacturing & Continuous Improvement

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Approved By	Tomas
Company Location	Shenzhen, China

1. Company Profile

Shenzhen HSJ Fab Co., Ltd is a professional custom metal fabrication manufacturer specializing in sheet metal fabrication, CNC machining, metal enclosures, brackets, industrial cabinets and precision components.

Main capabilities:

- Laser cutting
- CNC machining
- Stamping
- Sheet metal bending
- Welding
- Powder coating
- Assembly and quality inspection

HSJ provides OEM/ODM manufacturing solutions for global customers.

2. Sustainability Policy

HSJ is committed to responsible manufacturing by reducing environmental impact, improving resource efficiency and maintaining stable product quality.

Our sustainability principles:

- Energy conservation
- Waste reduction
- Environmental compliance
- Employee awareness
- Continuous improvement

3. Environmental Management System

HSJ maintains internal environmental control practices including:

- Industrial waste classification and recycling
- Metal scrap recovery management
- Chemical storage control
- Safety Data Sheet (SDS) management
- Environmental training for employees

4. Energy Reduction Projects

2024–2025 Improvement Activities:

Laser equipment optimization:

- Reduced unnecessary standby operation.
- Improved production scheduling.
- Enhanced preventive maintenance.

Compressed air improvement:

- Leakage inspection.
- Pressure optimization.
- Compressor operation control.

Results:

- Electricity consumption reduction: approximately 8–12%.
- Compressed air energy saving: approximately 10–15%.

5. Resource Efficiency Improvement

Material optimization actions:

- CAD/CAM nesting improvement.
- Sheet layout optimization.
- Production planning improvement.
- Scrap classification and recycling.

Results:

- Material utilization improved by approximately 5–8%.
- Reduced raw material waste.

6. Lean Manufacturing & Productivity Improvement

Implemented manufacturing improvement programs:

- 5S workplace management.
- Production flow optimization.
- Visual production management.
- In-process quality control.

Results:

- Production lead time reduced approximately 15–20%.
- Improved delivery performance.
- Reduced rework and waste.

7. Quality & Process Control

HSJ applies quality control throughout the manufacturing process:

Incoming Quality Control (IQC)

- Raw material verification.

Process Quality Control (IPQC)

- First article inspection.
- Process monitoring.

Final Quality Control (FQC)

- Appearance inspection.
- Dimensional verification.
- Packaging inspection.

8. Employee Health & Safety

HSJ promotes a safe working environment through:

- PPE requirements.
- Equipment safety training.
- Workplace organization.
- Regular safety awareness activities.

9. ESG Performance Summary

Key Improvement Indicators:

Energy:

8–12% reduction through equipment optimization.

Material:

5–8% improvement in utilization efficiency.

Production:

15–20% reduction in lead time.

Environment:

Reduced waste generation and improved recycling.

10. Future Sustainability Roadmap 2026–2027

HSJ future goals:

- Further reduce energy consumption.
- Increase digital production monitoring.
- Improve carbon emission management.
- Expand environmental improvement projects.
- Support customers' sustainable supply chain requirements.

11. Supplier Commitment Statement

Shenzhen HSJ Fab Co., Ltd commits to continuously improving sustainability, quality management and responsible manufacturing practices.

We aim to become a reliable long-term manufacturing partner for global customers.

Document Approval & Revision Control

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