

# Metal-Asia

## Technical Audit and Sourcing Strategy for Industrial Equipment in China

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In the modern B2B sector, equipment procurement requires more than just finding a vendor; it necessitates the execution of a deep verification strategy. [Metal-Asia.pw](#) offers a systemic approach to sourcing, where an [engineering audit](#) serves as the foundation for project safety. We help companies avoid dealing with unreliable brokers by providing direct supply channels from verified Chinese factories.

### Pre-purchase Audit: Managing Technical Risks

Primary technical audit allows for assessing a manufacturer's real capabilities before a contract is signed. We verify:

- **Compliance with Technical Assignments:** Analyzing the factory's ability to produce [production lines](#) with specified precision parameters.
- **Key Component Verification:** Controlling the use of genuine parts from suppliers like the [ABB brand](#).
- **Control System Auditing:** Analyzing how [PLC systems](#) are implemented and if they match the revisions specified in the project.

### Strategic Equipment and Component Selection

The complexity of modern projects lies in integrating multiple subsystems. We supply not only machines but the components that power them: [industrial automation and spare parts](#), sensors, and drives. If a project requires unique solutions, we perform analog sourcing and cross-reference verification.

### Materials Control and NDT

For facilities with high loads, [NDT quality control](#) is vital. We conduct instrumental checks of steel structures, including PMI tests of alloys and ultrasonic testing. This prevents the inclusion of metal with internal defects or incorrect chemical composition in your order.

### Integrating Automation and Safety

When auditing control systems, we focus on interface compatibility. It is essential to ensure that [DCS systems](#) and [servo systems and robotics](#) work as a single organism. For critical processes, [emergency shutdown systems](#) are checked to guarantee personnel and equipment safety.

### Power and Electrical Verification

Beyond primary equipment, we verify auxiliary systems. High-quality [power electronics and relay protection](#) guarantee stable power for the entire workshop. Our audit includes checking the reliability of control cabinets and switchgear at the manufacturing plant.

### Frequently Asked Questions

**How do you verify a plant's export experience?** We request a list of implemented projects and check for conformity certificates to international standards.

**Can an analog be found for discontinued equipment?** Yes, our engineers select modern modules with identical functionality and confirmed compatibility.

**What is included in a supplier audit report?** The report contains photos/videos of production, equipment park analysis, quality control system assessment, and a legal conclusion.

**How long does primary sourcing take?** Typically 5 to 10 working days, depending on the complexity of the TA and industry specifics.

**Do you check Chinese plants for export licenses?** Yes, this is a mandatory part of our legal counterparty verification.

**How is the quality of purchased spare parts controlled?** By cross-checking serial numbers, revisions, and packing at the vendor's warehouse before dispatch.

## Request a Technical Project Review

Provide us with your TA or BOM list. Experts will conduct a market analysis, verify manufacturers, and propose an optimal procurement scheme with minimal risks.

### Milos Kovacevic

**LEAD QUALITY CONTROL ENGINEER (QA/QC)**

Specialist in non-destructive testing (NDT) and technical verification of complex industrial equipment. Expert in conducting FAT/SAT trials and adapting technical documentation for international markets.



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