

INDEPENDENT THIRD-PARTY INSPECTION

REBONDA

Quality Technology Service Co., Ltd.

Inspection Evidence, Not Promises.

One partner, one inspection standard — across six industries worldwide.



ABOUT US • 01

Your Independent Eyes on Every Shipment

Rebonda Quality Technology Service is an independent third-party inspection company serving manufacturers, exporters and project owners across six industry sectors. Our certified inspectors deliver factory audits, pre-shipment inspections and on-site supervision with clear, actionable reports.

Key Advantages

- Accredited to ISO/IEC 17020 with CNAS and CMA scopes
- Inspectors stationed near major manufacturing hubs
- Reports delivered with photos, data and clear conclusions

A Record Measured in Verified Deliveries

15+
Years of Experience
INDUSTRY EXPERTISE

6
Industry Sectors
COVERAGE

4
Accreditations
CERTIFIED

100%
Independent
THIRD-PARTY

ACCREDITATIONS

CNAS
Accredited Inspection Body

CMA
China Metrology Accreditation

ISO/IEC 17020
Inspection Body Management System

ISO 9001
Quality Management System





OUR SERVICES • 03

Six Industries One Standard

From heavy power equipment to consumer goods, our checklists follow international standards and your specifications — one inspection standard across all sectors.

SIX INDUSTRIES • ONE STANDARD

01 Electrical Engineering Equipment

Generation, transmission and distribution equipment inspected at every stage

02 Petrochemical

Refinery, storage tank and pressure equipment inspection for petrochemical projects

03 Port & Transportation Equipment

Cranes, port machinery and rail transit equipment verified for safe operation

04 Automotive

Component and assembly quality inspection across the automotive supply chain

05 Electronic Products

Safety and performance verification for consumer and industrial electronics

06 Daily Consumer Products

Textiles, furniture, toys and food-contact materials inspected for global markets

Heavy Industry: Electrical & Petrochemical



Electrical Engineering Equipment

Generation, Transmission & Distribution

Full-stage inspection of power generation, transmission and distribution equipment, including FAT witnessing for transformers, switchgear and substation equipment.



Petrochemical

Refinery, Storage & Pressure Equipment

Inspection of refinery units, storage tanks and pressure vessels for petrochemical projects, ensuring compliance with international safety standards at every stage.

SERVICE DETAIL • 05A

Electrical Engineering Equipment

Generation, transmission and distribution equipment inspected at every stage — from factory acceptance to site arrival.



Inspection Scope

- Power transformers (110kV and above) — FAT witnessing, type test review, routine test verification
- Medium-voltage switchgear panels — documentation review, expansion line FAT witnessing
- Substation equipment — circuit breakers, disconnectors, site arrival inspection
- Generation and transmission equipment — full-stage quality verification

Selected Projects

110kV Transformer Fleet FAT Program

Witnessed factory acceptance tests for 12 power transformers delivered to a Southeast Asian utility grid project.

Switchgear Line Expansion FAT Witnessing

Type test documentation review and routine test witnessing for medium-voltage switchgear panels.

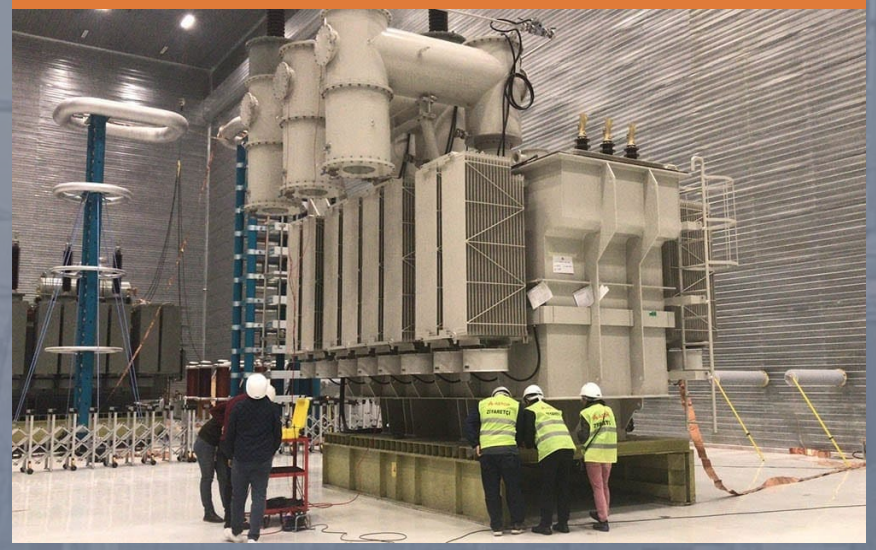
Substation Equipment Arrival Inspection

Site arrival check for circuit breakers and disconnectors at an overseas substation construction site.

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Inspection Methodology

Four-stage quality verification for electrical equipment — aligned with IEC, IEEE and GB standards from design review through site acceptance.



Four Inspection Stages

- **Stage 1 — Design & Document Review**: drawing audit, specification compliance, material certification verification
- **Stage 2 — In-Process Inspection**: winding, core assembly, tank fabrication, welding quality checks
- **Stage 3 — Factory Acceptance Test**: routine & type test witnessing, dielectric, temperature rise, partial discharge
- **Stage 4 — Site Arrival & Installation**: transport damage check, assembly supervision, commissioning support

Key Standards & Tests

Applicable Standards

IEC 60076 — Power transformers

IEEE C57.12 — Liquid-immersed transformers

IEC 62271 — High-voltage switchgear

GB 1094 — Power transformers (China)

GB/T 11022 — High-voltage switchgear

Critical Test Items

Applied & induced voltage tests

Partial discharge measurement

Temperature rise test

No-load & load loss measurement

Insulation resistance & ratio check

SERVICE DETAIL • 05B

Petrochemical Inspection

Refinery, storage tank and pressure equipment inspection for petrochemical projects — ensuring safety and regulatory compliance at every stage.



Inspection Scope

- Refinery units and processing equipment — manufacturing quality, material certification, dimensional verification
- Storage tanks and vessels — welding inspection, hydrostatic testing, coating and corrosion protection checks
- Pressure equipment and piping — code compliance verification, NDE witnessing, safety valve calibration
- On-site installation supervision — assembly quality, bolt torqueing, leak testing and commissioning support

Key Inspection Activities

- Factory acceptance testing (FAT) at equipment manufacturer premises
- Pre-shipment inspection (PSI) before dispatch to project site
- Third-party witness of non-destructive examination (NDE)
- Material test report (MTR) review and chemical/mechanical property verification
- Site arrival inspection and installation quality supervision

Applicable Codes & Standards

- ASME BPVC Section VIII — pressure vessel design, fabrication and inspection rules
- API 510 / 570 / 653 — pressure vessel, piping and storage tank in-service inspection
- PED 2014/68/EU — European Pressure Equipment Directive for CE marking
- NBIC (NB-23) — National Board Inspection Code for repairs and alterations
- API 650 / 620 — welded steel storage tank design and construction
- ASME B31.3 — process piping design and fabrication standards

Compliance Verification

- Material test report (MTR) review against code-specified chemical and mechanical properties
- Welding procedure specification (WPS) and welder performance qualification (WPQ) verification
- NDE procedure qualification and personnel certification review (ASNT / ISO 9712)
- Code stamping, data report and manufacturer's quality system audit

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Codes & Standards Compliance

Petrochemical equipment inspection aligned with API, ASME, PED and NBIC codes — ensuring regulatory acceptance across global markets.



SERVICE DETAIL • 05B-2

NDE & Specialized Testing

Comprehensive non-destructive examination and specialized testing — from weld integrity verification to coating and corrosion performance assessment.



NDE Methods

- Ultrasonic Testing (UT) — volumetric examination for internal weld defects, thickness measurement
- Radiographic Testing (RT) — X-ray and gamma ray inspection for weld and casting integrity
- Magnetic Particle Testing (MT) — surface and near-surface flaw detection on ferromagnetic materials
- Penetrant Testing (PT) — surface-breaking defect detection on non-porous materials
- Visual Testing (VT) — dimensional, geometric and surface quality inspection with borescopes

Specialized Tests

- Hydrostatic and pneumatic pressure testing of vessels and piping systems
- Coating and lining inspection: dry film thickness, adhesion, holiday detection
- Hardness testing and positive material identification (PMI) for alloy verification
- Safety valve calibration and relief device functional testing

Equipment Manufacturing: Port & Automotive



Port & Transportation Equipment

Cranes, Port Machinery & Rail Transit

Safety verification of cranes, port machinery and rail transit equipment. Inspectors examine metal structures, running mechanisms, electrical systems and safety protection devices.



Automotive

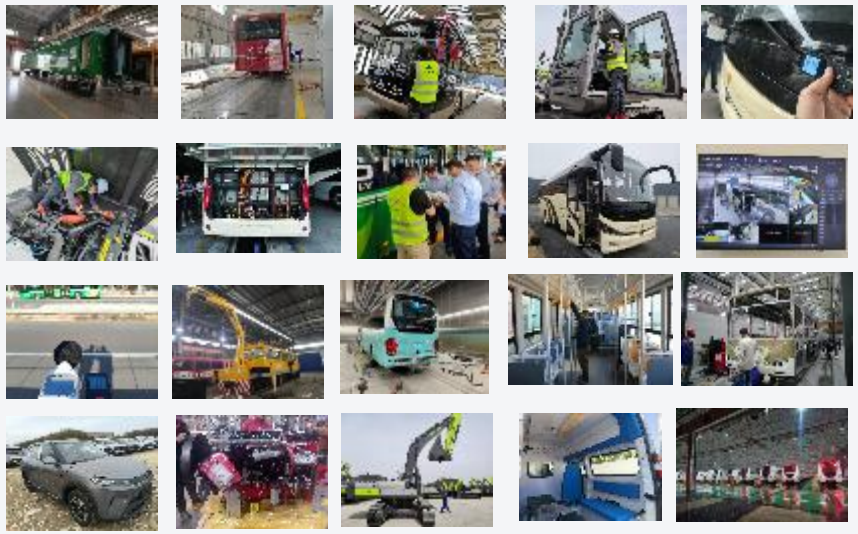
Components & Assembly Quality

Quality inspection of components and assemblies across the automotive supply chain, covering raw materials through final vehicle assembly to ensure specification compliance.

VEHICLE INSPECTION • 05A

Vehicle Inspection Services

Comprehensive inspection services covering buses, coaches, passenger vehicles, trucks, trains and railway equipment — ensuring safety and compliance across all vehicle types.



01 Bus & Coach Inspection

Conformity and assembly detail inspection for prototype and batch-produced buses and coaches — covering body structure, welding quality, interior fitment, electrical wiring, seating installation, and verification against design specifications and regulatory standards.

02 Passenger Vehicle & Truck Inspection

Quality and safety inspection for passenger cars and commercial trucks, including pre-delivery inspection, component quality verification, chassis and powertrain checks, and compliance with regulatory standards.

03 Rail & Railway Equipment Inspection

Inspection of trains, EMUs and railway equipment, including braking systems, bogies, running gear, electrical systems, signaling equipment and track infrastructure, verified for safe and reliable operation.





SERVICE DETAIL • 05A

Bus & Coach Inspection services

Conformity and assembly detail inspection for prototype and batch-produced buses and coaches — covering body structure, welding quality, interior fitment, electrical wiring, seating installation, and verification against design specifications and regulatory standards.



Inspection Scope

Visual inspection

Exterior Trim & Interiors Systems
Terms& chassis inspection,
painting inspection
Color inspection compares color code
seal chip check,
Trim check,
Brand and warning mark check,
Seat and door assembling inspection, gap size measure,
Electric and Pipes system check,
Main part model and assembling inspection. Tire Visual inspection.
Key parts assembling inspection
Motor and rear axle assembling inspection,
Assembly& rim assembling inspection,
Rear axle and Assembly assembling check, rear mirror check
Air condition pipes system check, wire harness check,
Vibration Damper& coil spring check,
Rear & front combined lamps function and assembling check,
Rain brush function and assembling check,
Horn function check, glass safety mark check.
Steering wheel assembling check

Test witness

including but not limited in

High loop test, Climbing dynamic performance test, Wading and rain test, ESP (elk) test, Test of washboard road, stone road and damaged road Witness of safety performance test includes braking system, steering mechanism, lighting signal device, emergency escape system, Power system: charging efficiency, SOC display, battery thermal protection test. Noise test, anti-pinch function test, air conditioning efficiency test, E-CAS function test, electric slope function test. ITS system function test

Inspection & check Scope

- Seat and window, air conditioning system, infotainment and interconnection, basic electrical functions (lighting and wiper, rearview mirror and window), driving assistance and image, interface and power supply, assembly and workmanship accuracy, surface state and functional parts (seat, steering wheel, door panel, ceiling, seat belt, etc.) Hydraulic and pneumatic system inspection Electrical and control system inspection Safety protection device inspection

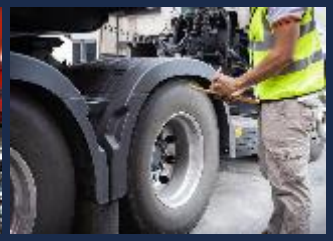
Key Inspection Activities

- Factory acceptance testing (FAT) at equipment manufacturer premises
- Pre-shipment inspection (PSI)
- Third-party witness Dynamic performance test
- Material test report (MTR) review and property verification
- Site arrival inspection and installation quality supervision
- Road test on rough condition road.

SERVICE DETAIL • 05B

Passenger Vehicle & Truck Inspection

Quality and safety inspection for passenger cars and commercial trucks, including pre-delivery inspection, component quality verification, chassis and powertrain checks, and compliance with regulatory standards.






VEHICLE INSPECTION • 05A

construction machinery & Railway Equipment Inspection

Inspection of trains, EMUs, construction machinery and railway equipment, including braking systems, bogies, running gear, electrical systems, signaling equipment and track infrastructure, verified for safe and reliable operation.

















01 Railway Equipment

Overall vehicle, paint, signs, bogies, electrical appliances and mechanical devices, clearance inspection. Coupler height, active state and connection of mechanical/electrical/air system. Test the braking system, including emergency braking distance and common braking performance. Alarm device, fire extinguisher sign, door opening and closing flexibility, emergency lighting and cab instrument/observation conditions. Conduct insulation withstand voltage test. Running gear, hook slow device, braking system, Minimum plane curve radius, cable/duct inspection Size and weighing inspection: Dielectric (insulation) test Ramp braking system test. Auxiliary power supply and propulsion system inspection Function test of door system and air conditioning system. Witness of rain or water tightness test Static noise and vibration measurement. Functions of vehicle signal system.

02 construction machinery

Inspection and test of power and hydraulic system. Ultrasonic or magnetic particle inspection of structural strength Performance tests such as digging force, walking speed and turning speed. Ramp braking test, operating lever sensitivity, emergency stop device response. Ramp operation test. Appearance of the whole machine, cab, operating force of operating device, grounding specific pressure, etc. Check the appearance, assembly integrity, rotation performance and full-length straightness of the track assembly. Test of maximum traction, climbing performance, lifting speed of blade, maximum pushing force of blade and natural settlement of blade. Thermal balance performance test and water tightness test

Light Industry: Electronics & Consumer Goods



Electronic Products

Safety & Performance Verification

Safety and performance verification for consumer and industrial electronics. Rigorous LVD and EMC testing in laboratory environments to ensure compliance with target market standards.



Daily Consumer Products

Textiles, Furniture, Toys & Food Contact

Inspection of textiles, furniture, toys and food-contact materials for global markets. Testing fatigue resistance, structural safety, formaldehyde emission and other key indicators.

SERVICE DETAIL • 08A

Electronic Products

Safety and performance verification for consumer and industrial electronics — rigorous testing in accredited laboratory environments.



Inspection Scope

- Consumer electronics — home appliances, mobile devices, audio/video equipment, wearable technology
- Industrial electronics — control panels, power supplies, sensors, automation components
- Electrical components — connectors, switches, circuit breakers, wiring accessories
- Battery and energy storage products — safety, capacity and cycle life verification

Testing & Certification Support

- LVD (Low Voltage Directive) safety testing and documentation review
- EMC (Electromagnetic Compatibility) testing — emissions and immunity
- Environmental testing — temperature, humidity, vibration and drop tests
- Pre-compliance testing and certification support for target markets (CE, UL, FCC, etc.)
- Factory inspection and production line quality audit for electronics manufacturers

Product Categories

- Textiles & apparel — fabric quality, color fastness, dimensional stability, fiber content verification
- Furniture — structural safety, stability testing, fatigue resistance, formaldehyde emission
- Toys & juvenile products — mechanical/physical safety, flammability, chemical migration (EN 71, ASTM F963)
- Food-contact materials — overall migration, specific substance migration, sensory testing

Inspection Services

- Pre-shipment inspection (PSI) — AQL sampling, visual and functional checks
- During production inspection (DUPRO) — early defect detection and corrective action
- Factory audit and social compliance assessment for consumer goods suppliers
- Lab testing coordination — chemical, physical and mechanical property testing
- Regulatory compliance support for EU, US, Middle East and Asian markets

SERVICE DETAIL • 08B

Daily Consumer Products

Textiles, furniture, toys and food-contact materials inspected for global markets — ensuring consumer safety and regulatory compliance.





SELECTED PROJECTS • 07

Recent Inspection Work

A sample of programs delivered across sectors and borders

01 ELECTRICAL EQUIPMENT

110kV Transformer Fleet FAT Program

Witnessed factory acceptance tests for 12 power transformers delivered to a Southeast Asian utility grid project.

02 ELECTRICAL EQUIPMENT

Switchgear Line Expansion FAT Witnessing

Type test documentation review and routine test witnessing for medium-voltage switchgear panels on an expanded production line.

03 ELECTRICAL EQUIPMENT

FPSO LV switchgear cabinets Equipment FAT Inspection

Site arrival check for circuit breakers and disconnectors at an overseas substation construction site.

HOW WE WORK • 08

Three-Step Delivery Clear, Actionable Reports

From requirement confirmation to report delivery, our inspection process is standardized and transparent — every step is traceable and verifiable.

01 Scope & Quotation

Respond within one business day with inspection scope, schedule and quotation

02 On-Site Inspection

Certified inspectors execute factory audits, pre-shipment inspection or site supervision

03 Report & Follow-up



Reports with Photos & Measured Data

Every inspection report includes clear conclusions, on-site photos and measured data — enabling you to make informed, evidence-based decisions.

RESPONSE TIME

Response within 1 business day



VISION & MISSION

Our Vision

To be the most trusted independent inspection partner, safeguarding product quality and investment integrity across global supply chains.

Our Mission

Deliver verified inspection evidence — with photos, data and clear conclusions — that empowers clients to make informed decisions and protect every shipment.

CONTACT US • 09

Tell Us What Needs Inspecting

Send us your requirement and our project team will respond with scope, schedule and quotation within one business day.

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