

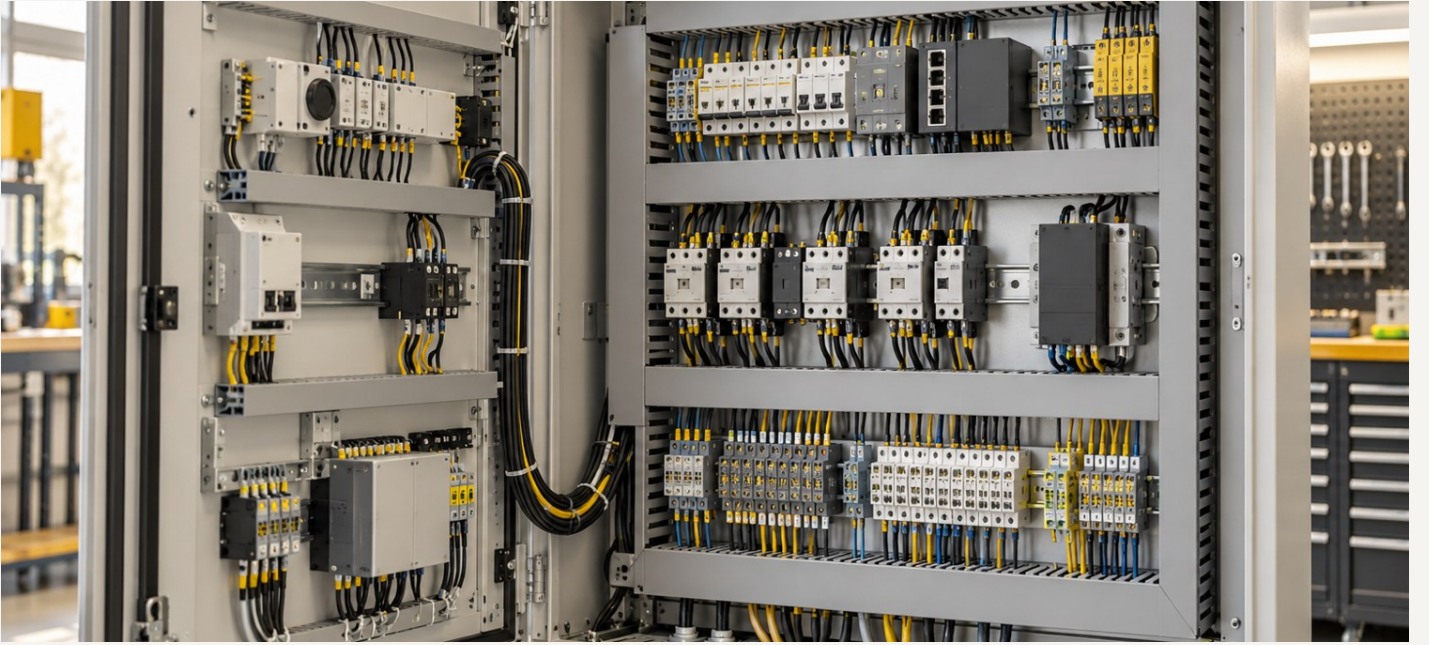
**The power of
production.
The confidence of
technical expertise.**

**You Produce.
Let **FESBOT** Protect
Your Technology.**



Your Technical Partner in Production.

Maintenance, repair and modernization services for industrial automation equipment.



FS Otomasyon

- Services ranging from servo and spindle motors to electronic control equipment.
- Technical services based in Beylikduzu, Istanbul.
- Service scope defined by fault information and equipment condition.

Our Approach

- Assessment based on technical findings.
- Clear communication during quotation and approval.
- Equipment-specific checks after repair.

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Expertise to Meet Your Needs.

Explore motor, electronic control and system solutions in one service overview.

01 Motor Technologies

Servo Motor • Spindle Motor

02 Drive Technologies

Servo Drive • Inverter

03 Control Systems

PLC • I/O Modules • HMI

04 Electronic Repair

Industrial Circuit Boards

05 Robotic Components

Servo Motor • Drive • Teach Pendant

06 System and Project Services

Machine Modernization • Control Panel Manufacturing

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Technical discipline. Transparent processes.

A documented workflow from equipment intake to delivery.

01

Equipment Intake

Recording equipment and fault details.

02

Technical Inspection

Assessing faults and repair scope.

03

Quotation and Approval

Sharing scope and terms.

04

Repair

Performing approved work.

05

Testing and Checks

Equipment-specific technical verification.

06

Delivery

Service information and shipment preparation.

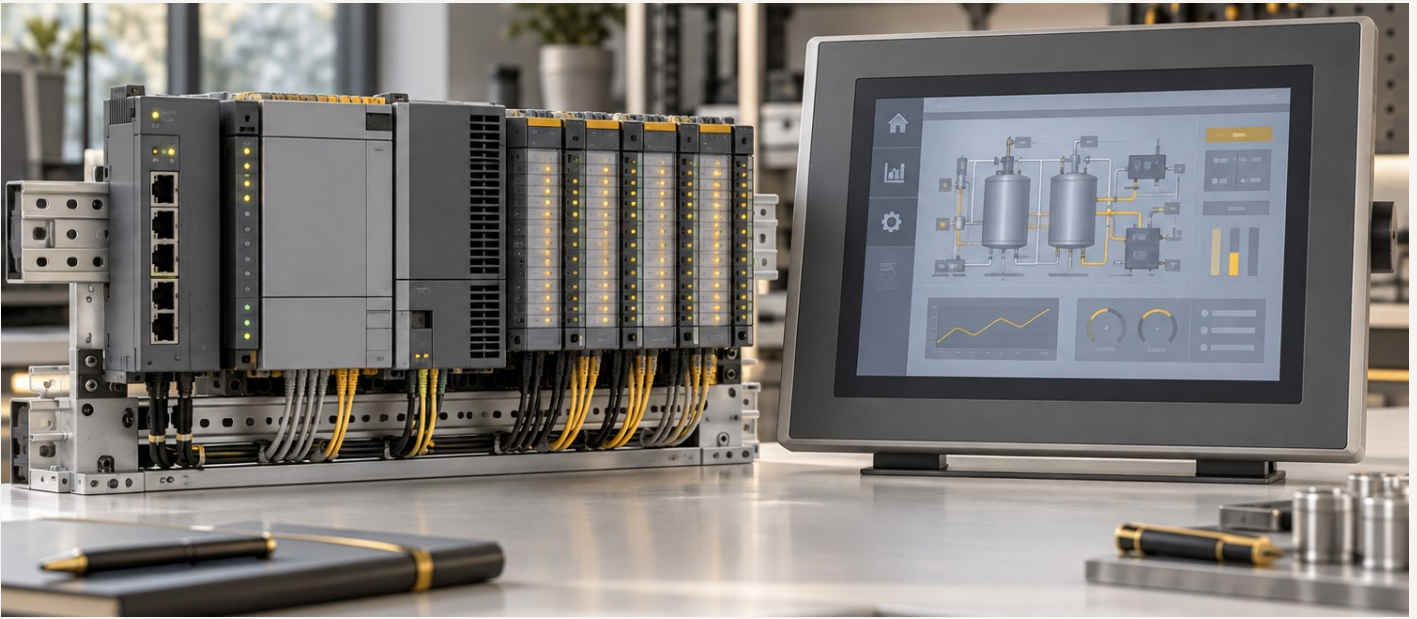


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Information-led Service Tracking.

Clear service records support consistent technical communication.



Service Records

- Brand, model and serial number.
- Reported fault and operating conditions.
- Accessories received.
- Quotation and customer approval details.

Service Communication

- Technical inspection findings.
- Maintenance and repair work performed.
- Checks performed.
- Delivery and shipment details.

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Servo Motor.

**At the heart of
precise motion.**

An integrated maintenance and repair approach to mechanical, electrical and feedback components.

01

Mechanical Inspection

Shaft, bearing and connection checks.

02

Electrical Assessment

Winding and insulation inspection.

03

Feedback

Encoder and resolver assessment.



Equipment-specific functional checks after repair.

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Technical Assessment of Servo Motors

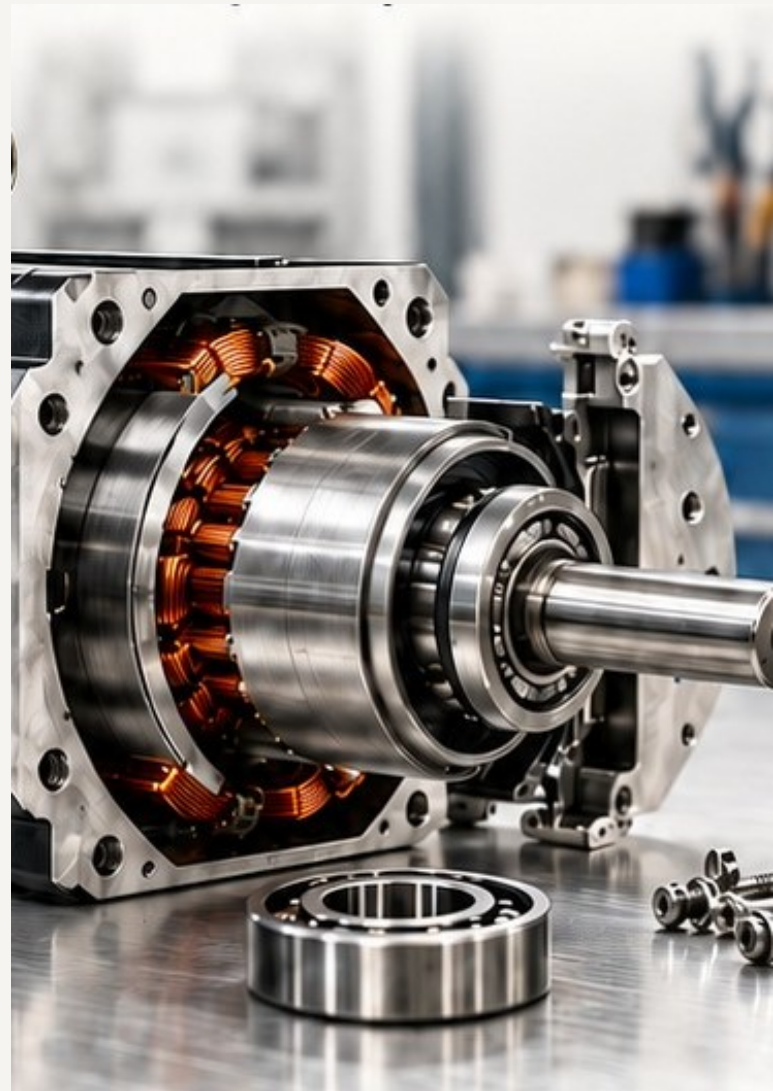
We assess the fault in the context of the complete equipment.

Reported Symptoms

- 01 Abnormal noise or vibration.
- 02 Heating and unstable operation.
- 03 Feedback-related fault indications.
- 04 Shaft, bearing and connection problems.

Inspection Areas

- 05 Winding and insulation condition.
- 06 Shaft and mechanical components.
- 07 Feedback components.
- 08 Equipment-specific final checks.



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Spindle Motor Maintenance and Repair

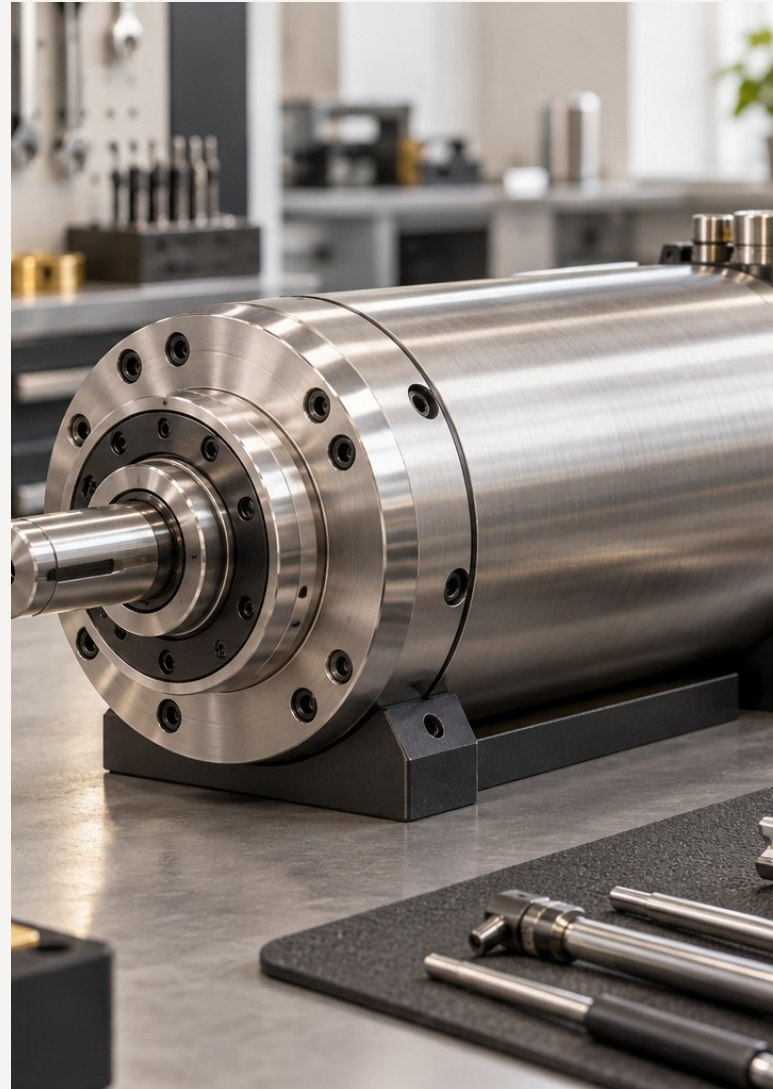
Mechanical precision and electrical integrity for high-speed operation.

Service Scope

- 01** Bearing and mechanical component assessment.
- 02** Winding and connection inspection.
- 03** Maintenance and repair work.
- 04** Assessment of balancing requirements.

Inspection Areas

- 05** Shaft and bearing condition.
- 06** Electrical checks.
- 07** Vibration and heating symptoms.
- 08** Appropriate functional checks after repair.



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Spindle: Precision-focused Maintenance

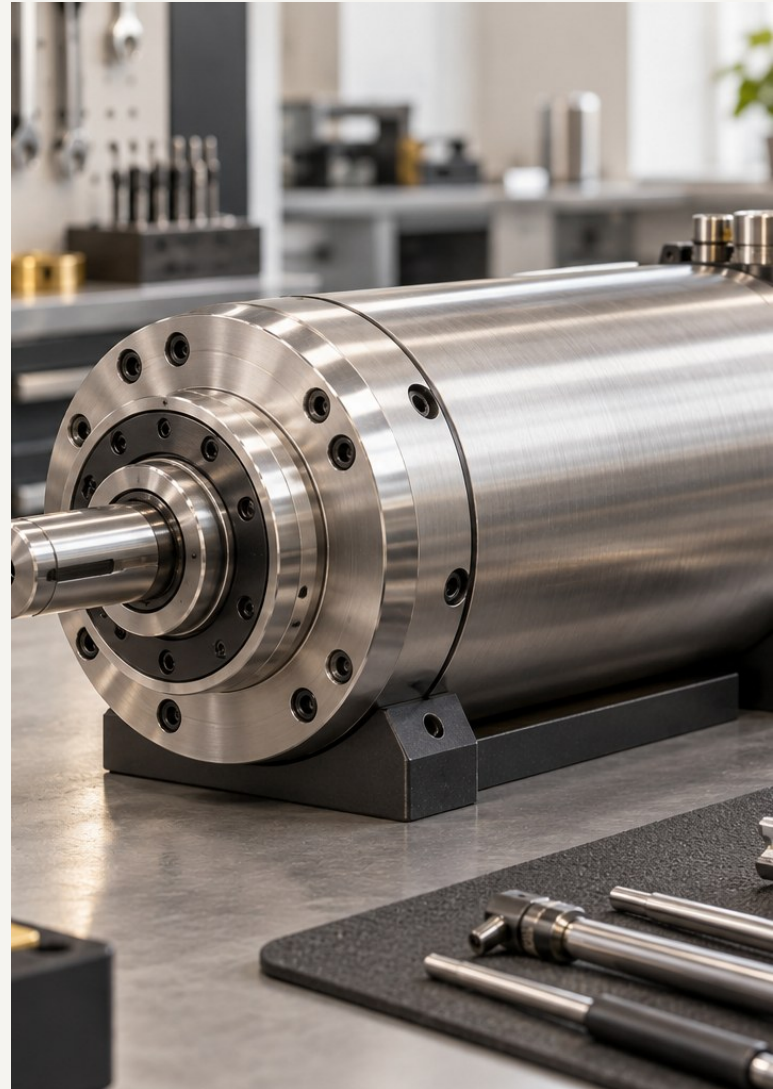
Motor design, speed range and application determine the assessment scope.

Required Technical Information

- 01 Motor nameplate and model details.
- 02 Operating speed and application type.
- 03 Cooling system information.
- 04 Noise, vibration and fault history.

Maintenance Approach

- 05 Inspection of mechanical wear.
- 06 Assessment of contamination and cooling condition.
- 07 Identifying replacement part requirements.
- 08 Reporting work performed.



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Servo Drive and Inverter Repair

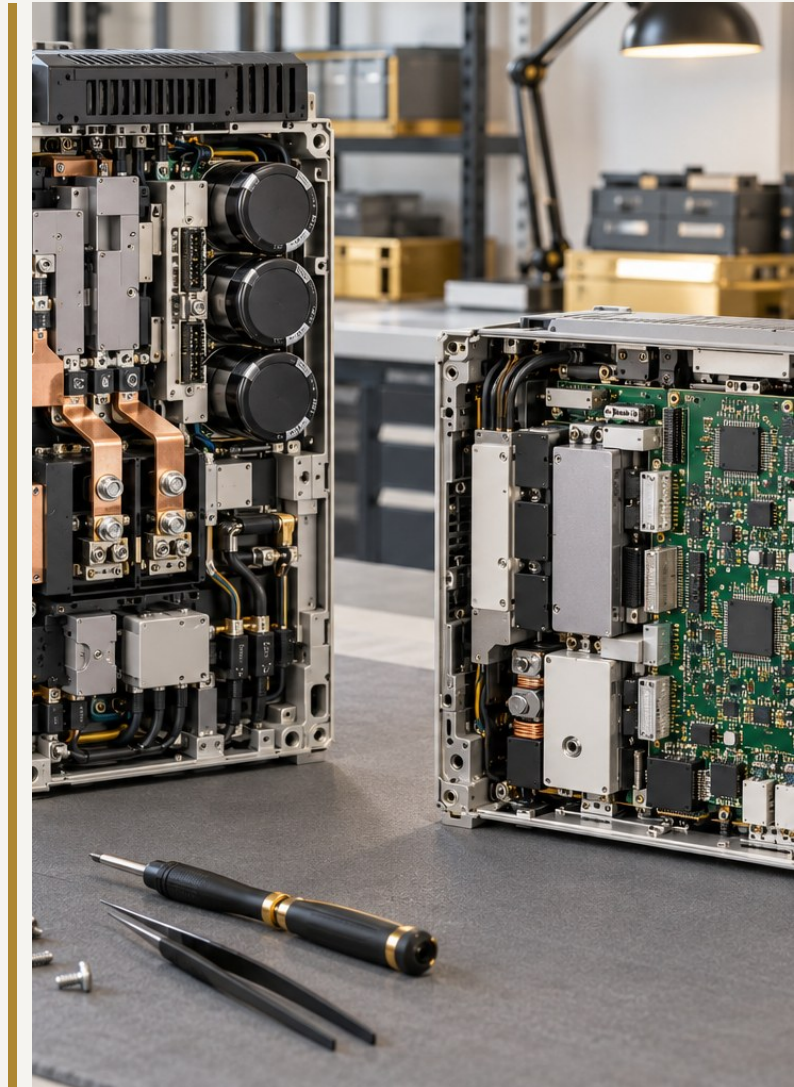
Component-level inspection of power and control circuits.

Service Scope

- 01 Power and control board inspection.
- 02 Component fault assessment.
- 03 Connection and cooling checks.
- 04 Electronic repair work.

Testing and Checks

- 05 Power supply and power stage assessment.
- 06 Equipment-specific functional checks.
- 07 Inspection alongside reported fault information.
- 08 Performance checks using available test setups.



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PLC and I/O Module Repair

Hardware fault assessment for industrial control equipment.

Service Scope

- 01** CPU and module hardware inspection.
- 02** Input / output circuit assessment.
- 03** Power supply and connection faults.
- 04** Electronic repair work.

Technical Scope

- 05** Brand- and model-specific assessment.
- 06** Communication checks where conditions allow.
- 07** Coordination with program and backup information.
- 08** Functional checks after repair.



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HMI and Operator Panel Repair

Display, input component and electronic hardware solutions for operator interfaces.

Service Scope

- 01** Display and touchscreen faults.
- 02** Keypad assessment.
- 03** Power supply and circuit board repair.
- 04** Connection and communication port inspection.

Inspection Approach

- 05** Display and input functions.
- 06** Connection and power supply condition.
- 07** Equipment-specific communication checks.
- 08** Assessment of project backup requirements.



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Industrial Circuit Board Repair

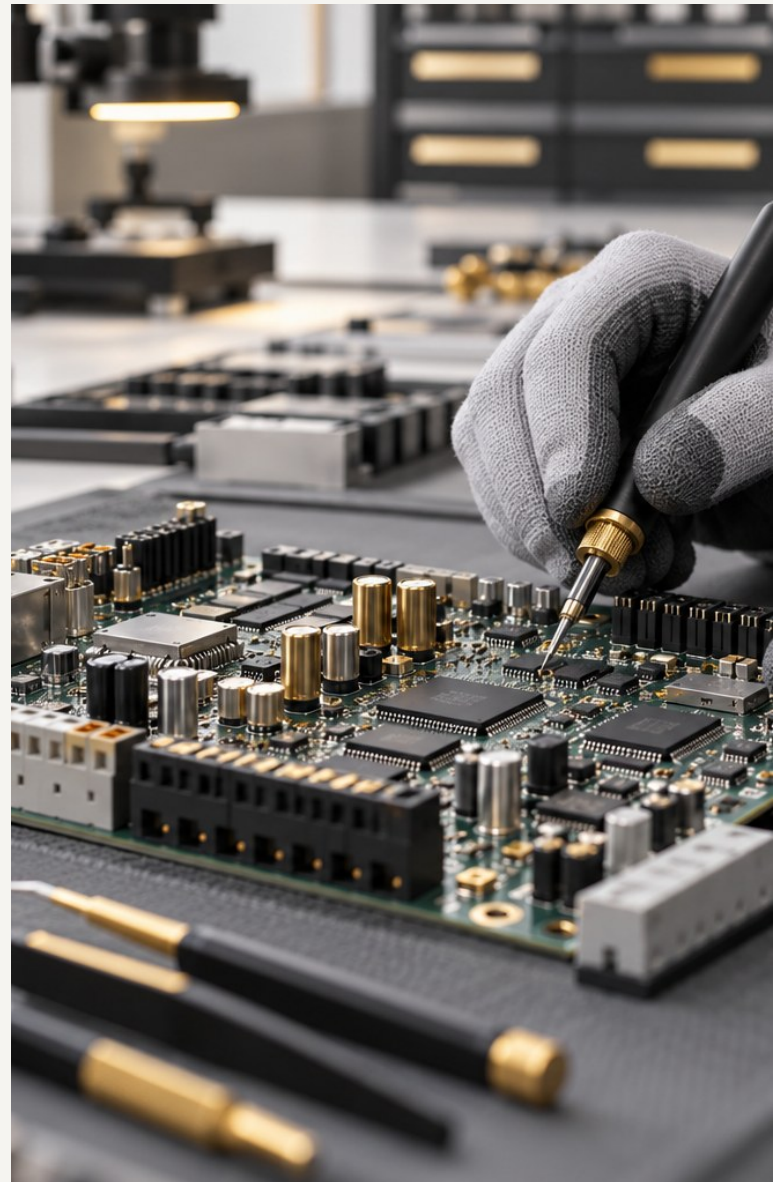
Component-level inspection and repair guided by technical findings.

Service Scope

- 01** Visual and electrical inspection.
- 02** Faulty component assessment.
- 03** Circuit board connection faults.
- 04** Electronic repair and maintenance.

Verification Approach

- 05** Circuit-specific measurements.
- 06** Power supply and signal checks.
- 07** Functional assessment where conditions allow.
- 08** Recording work and findings.



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Robotic System Components

Services for motors, drives and operator equipment used in robotic applications.

Service Scope

- 01 Robotic system servo motors.
- 02 Servo drive components.
- 03 Teach pendant hardware repair.
- 04 Cables and protective accessories.

Request Details

- 05 Robot and component model details.
- 06 Fault codes and operating symptoms.
- 07 Equipment connection information.
- 08 Component-specific service scope.



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Machine Retrofit and Modernization

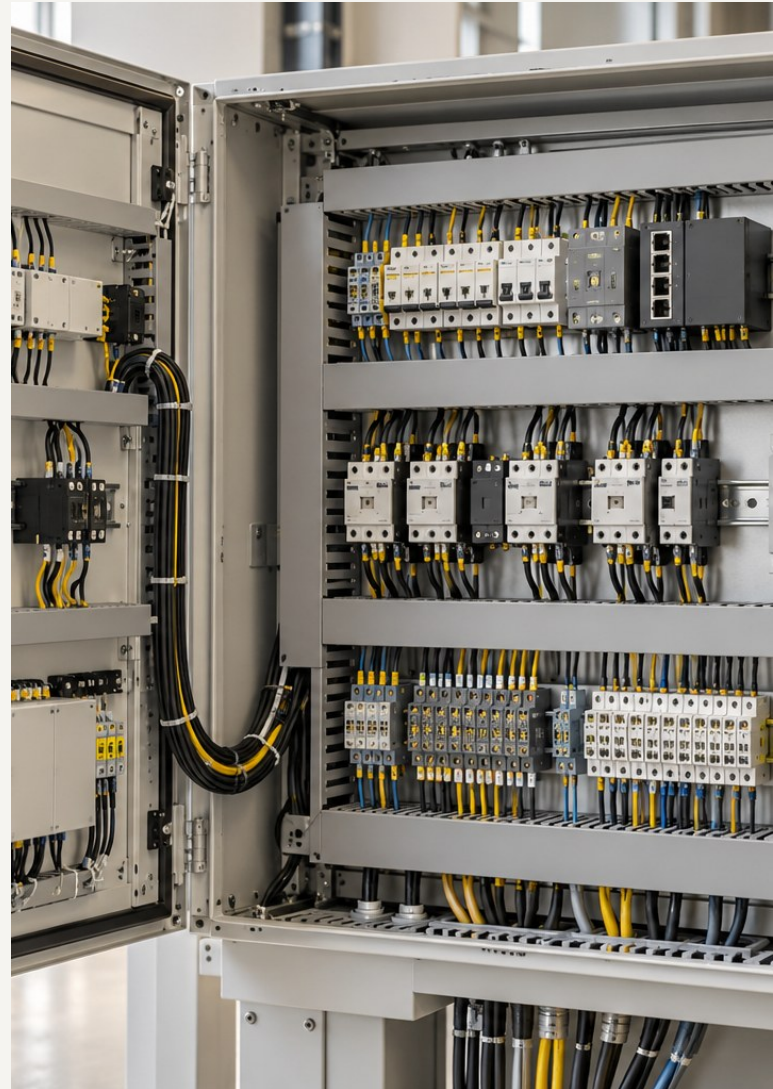
A project approach that assesses existing control infrastructure and machine needs together.

Project Areas

- 01 Review of the existing control system.
- 02 Control equipment upgrade requirements.
- 03 HMI and automation infrastructure.
- 04 Electrical documentation scope.

Planning Approach

- 05 Defining production requirements.
- 06 Scope and implementation plan.
- 07 Equipment compatibility assessment.
- 08 Defining inspection and delivery criteria.



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Industrial Control Panel Manufacturing and Assembly

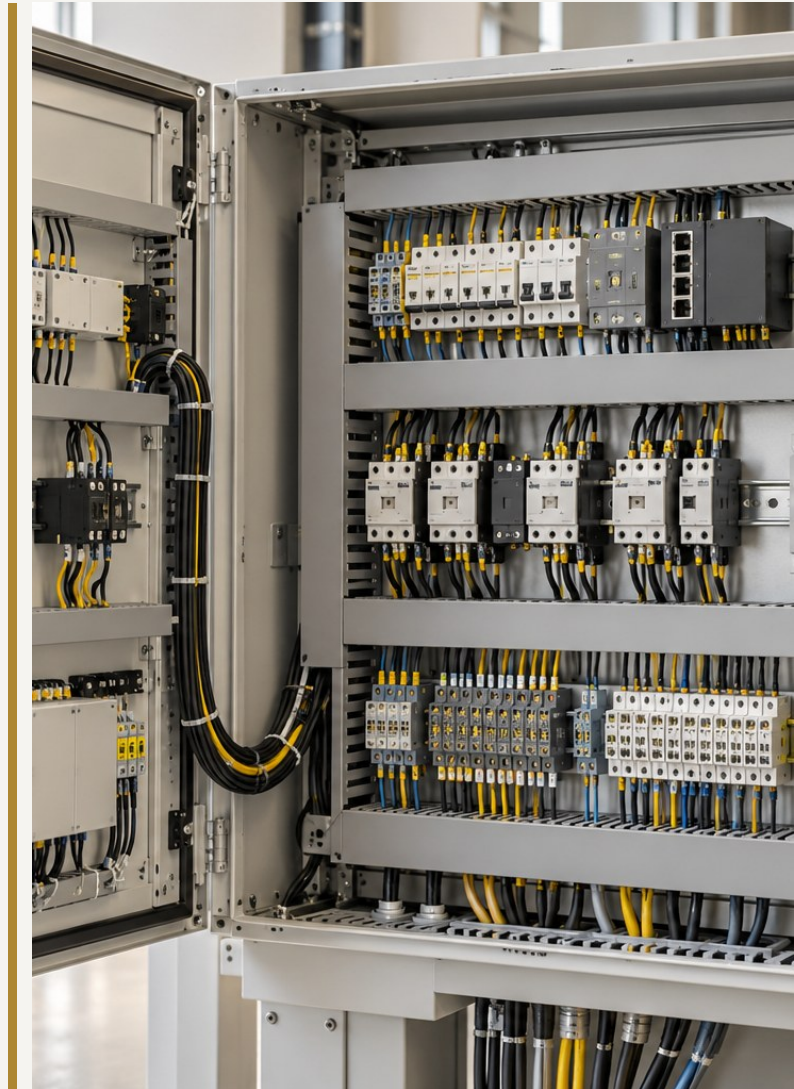
Organized layouts, clear connections and project-specific electrical infrastructure.

Service Scope

- 01** Control and power panels.
- 02** Component layout and assembly.
- 03** Wiring and labelling.
- 04** Connections matched to the project scope.

Inspection Areas

- 05** Layout and connection inspection.
- 06** Electrical inspection requirements.
- 07** Documentation and labelling structure.
- 08** Project-specific functional checks.



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Testing and Quality Control Approach

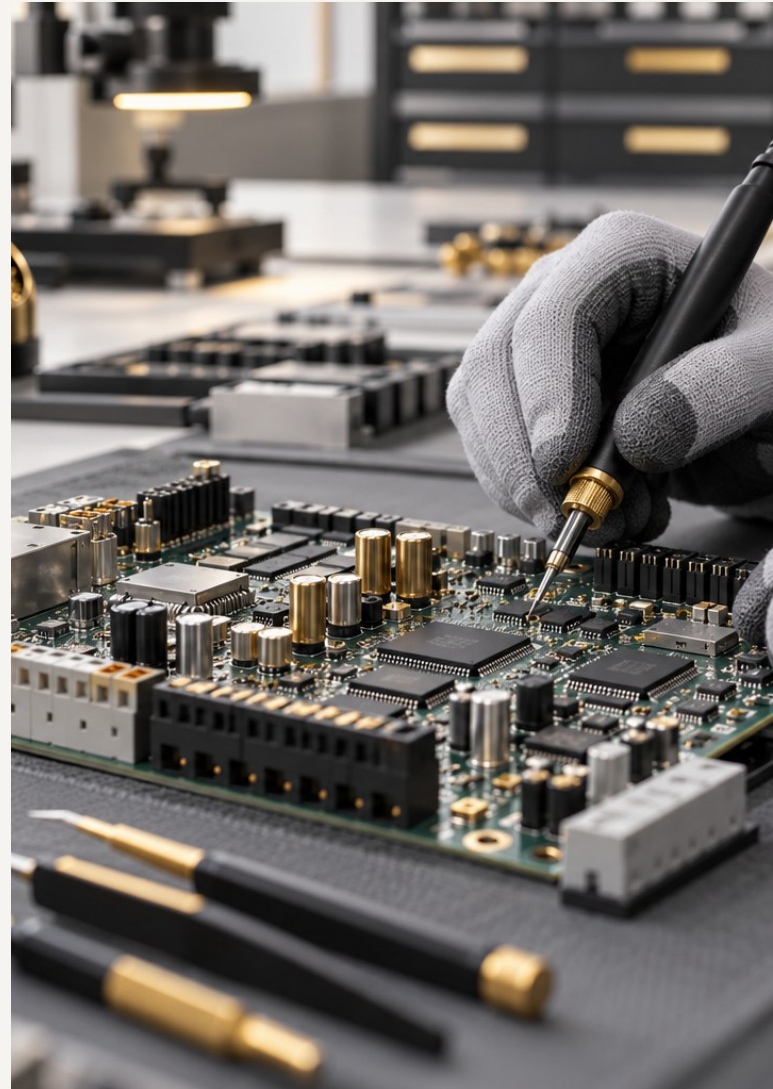
We evaluate completed repairs through equipment-specific checks.

Inspection Areas

- 01** Electrical and insulation checks.
- 02** Mechanical condition and connections.
- 03** Encoder / resolver assessment.
- 04** Equipment-specific signal and functional checks.

Records and Reporting

- 05** Equipment identification details.
- 06** Technical findings identified.
- 07** Work performed.
- 08** Checks performed and their results.



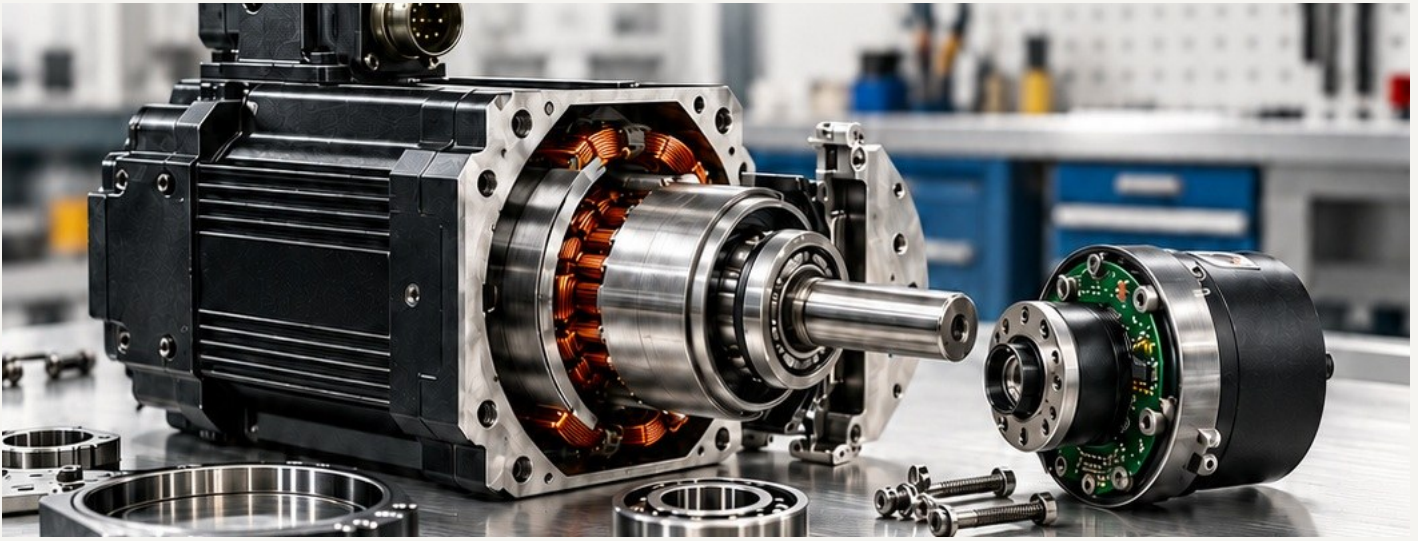
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How Do We Approach a Fault?

Example workflow: a servo motor with reported abnormal noise and a feedback fault.



This is an illustrative scenario explaining our assessment approach, rather than a customer case study.

Inspection and Planning

- Reported symptoms and motor nameplate details are recorded.
- Mechanical components and the feedback system are inspected.
- The quotation scope is defined by technical findings.

Repair and Delivery

- Work proceeds following customer approval.
- Equipment-specific post-repair checks are performed.
- Service information is shared and delivery is prepared.

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Better Information. Clearer Assessment.

Let us confirm the technical details and shipping arrangements before you send your equipment.

Information to Prepare

- Brand, model and serial number.
- Fault code or problem description.
- Photo of the motor / equipment nameplate.
- Operating conditions and previous repairs.
- Company and contact details.

Shipment Preparation

- Protect shafts, connectors and screens against impact.
- Secure the equipment in suitable packaging.
- Identify accessories separately.
- Retain the required program and project backups.
- Confirm the address and intake details before shipment.

Brand and Model Coverage

Service feasibility for servo, spindle, drive, PLC and HMI equipment depends on the brand, model, fault and parts availability. Please share equipment details with your request.

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Contact Us for a Solution.

Let us assess your equipment, fault symptoms and service requirements together.

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Please contact us before sending faulty equipment to our laboratory.

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