Technical Capacity Assessment



Overview

Detailed engineering verification of your supplier’s machinery, maintenance standards, and technical workforce. We go beyond the asset list to validate if the factory can physically meet your technical specifications and tolerances.

What’s Included

- Machine Park & Condition Check
- Maintenance Log Verification
- Operator Skill Assessment
- Production Bottleneck Analysis

1-2 Days (Report within 48 Hours)

Success Story

A UK aerospace client needed precision CNC parts. The supplier claimed "High-End 5-Axis Machining" capability on their website.

Result

Our technical audit revealed the 5-axis machines were rented for photos and not operational. The real production was done on aging 3-axis units. We exposed the capability gap, saving the client from a massive quality failure.

Why It Matters

A machine list on a PDF proves nothing. You need an engineer on-site to verify that the equipment works, is calibrated, and can actually produce your specific product.

How We Deliver

On-site technical inspection with functional tests and operator interviews.

Details

Why Technical Capacity Assessment Matters?

In the era of "Digital Noise," it is easy to copy-paste a machine list from a competitor. Many factories claim capabilities they don't have, outsourcing your critical production to lower-tier workshops. Without a technical assessment, you risk betting your project on phantom machinery or poorly maintained lines that cannot hold tolerance. At ACTR, we validate the *engineering reality* behind the marketing claim.

Our Approach

We don't just count machines; we audit their health using a strict 4-point engineering framework:

- **Machinery Health** - We verify the make, model, and year of critical machines. Are they operational, calibrated, and fit for purpose?
- **Maintenance Culture** - We inspect maintenance logs and tool rooms. A dirty machine with no service history is a "Red Flag" for future breakdowns.
- **Operator Competence** - We interview operators on the floor. Do they understand the technical drawings (TDS) and quality requirements?
- **Bottleneck Analysis** - We identify the slowest step in the production line to verify if their claimed daily capacity is mathematically possible.

What sets ACTR Apart?

- **Mechanical Engineer Led** - Unlike general inspectors, we understand the difference between a CNC lathe and a manual one. We speak the factory's language.
- **Fraud Detection** - We check serial plates to ensure machines aren't leased just for the audit day (a common trick).
- **Unbiased Reality** - We don't care about the factory's sales pitch. We care about physics and engineering facts.
- **Deepfake Proof** - We record machines in operation, proving they can actually run your product cycle.

Outcomes You can Expect

By the end of the assessment, you'll have:

- Verified asset list with machine conditions (Good/Fair/Poor).
- Proof of real daily production capacity (vs. claimed).
- Identification of technical risks (e.g., lack of calibration).
- A clear "Technical Go / No-Go" for your specific project.

Why Partner with ACTR?

Technical capability cannot be verified via Zoom. ACTR acts as your **Chief Engineer** in Türkiye. We ensure that the factory doesn't just *have* the machine, but knows how to *use* it to build your product correctly. **Don't rely on a PDF list; verify the engineering power.**