# Solving Business Challenges: Manufacturing Process

Practical Visibility. Measurable Outcomes.

DataQI

# The Challenge: The Visibility Gap in Complex Production

In many UK factories, the manufacturing process is often a "black box" composed of three disconnected worlds: modern automated systems, legacy "digitally silent" machinery, and essential manual human operations. This fragmentation leads to:

- **Invisible Bottlenecks:** Problems are often only identified after a shift ends, leading to costly reactive "firefighting."
- **Process Drift:** Subtle variations in manual or mechanical steps that degrade quality and increase waste before they are noticed.
- **Data Silos:** A lack of a single version of the truth, making it impossible to optimise the end-to-end flow.

# Our Solution: Unified Operational Intelligence

DataQI Insights transforms the manufacturing process from a series of isolated events into a single, orchestrated flow of intelligence. We solve process challenges through three core capabilities:

### 1. Full-Spectrum Connectivity

We operate on the principle of **"No Machine Left Behind."** Our solution connects to your modern PLCs and sensors while simultaneously using AI-powered computer vision to measure manual processes. By bringing "digitally silent" assets and human work into the same data environment, we provide the first complete map of your entire manufacturing process.

### 2. The "Visual Factory" Engine

Innovation is most effective when it is consistent. DataQI provides real-time operator and management dashboards that act as a "Visual Factory." By setting clear, data-driven baselines, your team can maintain performance standards across every shift. Our AI-driven alerts identify "process drift" as it happens, allowing for immediate intervention rather than post-production analysis.

### 3. Agentic Workflow Automation

We provide immediate value by removing the administrative burden of manual reporting. Our Agentic Workflows automatically generate shift summaries, quality reports, and maintenance tickets based on live process data. This gives your skilled staff time back to focus on production, ensuring the technology supports the person, not the other way around.

## Tangible Business Outcomes

By applying DataQI Insights to your manufacturing process, you move from historical reporting to proactive orchestration:

- **Increased Throughput:** Real-time bottleneck identification allows for instant process re-balancing and improved flow.
- **Stabilised Quality:** Early detection of process variance significantly reduces scrap rates, rework, and material waste.
- **Democratised Data:** Insights are delivered to everyone from the operator to the leadership team, ensuring faster, more confident decision-making at every level.

## Take the Next Step

Don't let fragmented processes limit your productivity. Access the clarity and control your business deserves.

**Start your journey to a Connected Factory today:**
https://dataqi.ai/products/insights

DataQI

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