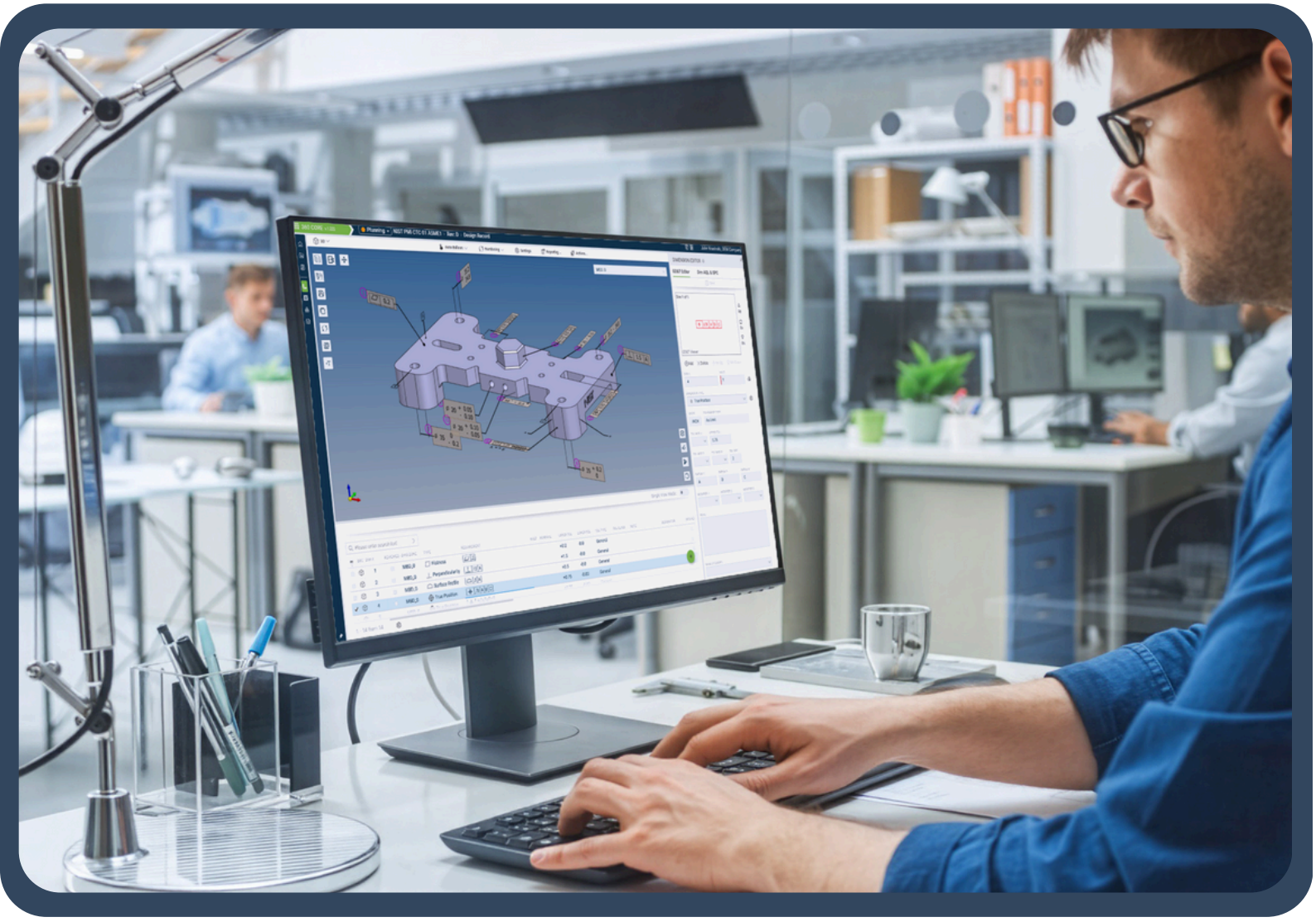
HIGHQA

BROCHURE

Design-Driven Quality: A Practical Blueprint for Faster FAIs, Cleaner PPAPs, & Fewer Headaches



The Hidden Cost of “Good Enough” Quality

Quality often breaks down the moment teams copy, reinterpret, or re-enter requirements as work moves from planning to inspection to reporting. Every handoff adds risk, missed revisions, mismatched characteristics, lost context, and results that don’t clearly trace back to the original design intent.

High QA removes that risk by keeping quality connected to the source from day one: your 2D drawing or 3D model. Inspection planning, data capture (manual + CMM), SPC, NCRs, and final submissions all stay tied to the same design, so nothing is retyped, reinterpreted, or lost in translation.

Why It Happens

Most shops don’t have a single source of truth. CAD lives here, plans live there, results are somewhere else and submissions are stitched together at the end. Each handoff invites interpretation. What began as the exact design intent slowly drifts as data is retyped and re-packaged.

FAIs in minutes; PPAPs in hours, not days or weeks

Every inspection, result, and report ties back to the drawing/model

Design at the Center: One Source of Truth

High QA ends that cycle by putting the original design, your 2D drawing or 3D model, at the center of everything. Ballooning, inspection planning, data collection (manual and CMM), SPC, NCRs, and final submissions all stay tied to the same source design, so nothing is retyped, reinterpreted, or lost in translation. That single source of truth keeps every requirement in context with how the part is built, enabling faster FAIs and PPAPs, cleaner traceability, and fewer surprises at audit time.

The High QA Approach

High QA's Design-Driven Quality platform connects design, manufacturing, and compliance in one connected system, so quality stays connected to how the part was actually designed, built, and inspected.

What changes on day one:

- Auto-balloon & extract: Read GD&T/PMI directly from 2D/3D to build inspection plans in minutes, not days.
- Plan once, reuse everywhere: The plan is linked to the model; revisions update downstream automatically.
- CMM + manual data capture: Stream in results from CMMs while recording manual checks on the same connected plan.
- Quality in context: Every result references both the design requirement and how the part was made.
- Instant submissions: Generate FAIs, PPAPs, and customer packages from the same connected dataset.

What You Eliminate

- Re-typing tolerances and characteristics into spreadsheets
- Re-interpreting drawings at each stage (planning, inspection, reporting)
- Re-building submissions from scratch for every revision
- Re-working parts because context and traceability were lost

What You Gain

- Speed: FAIs in minutes; PPAPs in hours, not days or weeks
- Accuracy: No transcription errors; requirements are extracted, not re-entered
- Traceability: Every inspection, result, and report ties back to the drawing/model
- Collaboration: Engineering, production, quality, and suppliers stay aligned on the same truth
- Audit-readiness: Clean lineage from requirement → plan → measurement → submission

The Business Impact

- Remove bottlenecks & lates → machines stay cutting, not waiting for paperwork
- Free up people → less time formatting, more time solving problems
- Get paid faster → documentation no longer delays shipment or invoicing
- Reduce risk → fewer NCRs, fewer customer escalations, fewer audit findings

Trusted by Leading Manufacturers & OEMs

Design-Driven Quality at scale: BAE Systems, Blue Origin, Honda, Baker Hughes, Bosch, Toyota, CNH, Moog, Xometry, and hundreds more, use High QA across OEMs and the extended supply chain.

End-to End Quality: From Design to Delivery

In manufacturing, everything comes down to fulfilling the part design: customers measure you against it, suppliers deliver to it, auditors demand proof of it. High QA closes the loop so nothing gets lost:

Design → plan → measure (CMM/manual) → analyze (SPC/NCR) → submit (FAI/PPAP) → improve, all traced to the same model/drawing. That's why quality is faster, cleaner, and easier to scale.

From Design Intent to Delivered Confidence

Disconnected tools create disconnected quality. High QA replaces tribal spreadsheets and last-minute packaging with a connected, design-driven system. When the drawing or model is the single source of truth, your team moves faster, your documentation is bulletproof, and your customers feel the difference.

Quality without compromise, powered by High QA.

Request a Demo!