



New Standard CORPORATION

Quality Assurance

“New Standard creates a focused team, a proactive partner, as opposed to a reactive supplier.”

Quality Assurance is more than just choosing quality materials and coupling them with high-end processes to get the job done. Today, QA is a process driven approach with checks and balances throughout a product's lifetime, all developed to obtain product and company goals. The proper use of QA analyzes existing conditions and methods used to provide the product or service to the customer.

Key principles to consider in gauging quality assurance:

- **Planning**
Have objectives been established and processes secured from design through distribution?
- **Implementation**
How is the process executed?
- **Monitoring**
Is the execution evaluated by comparing and verifying processes against predetermined objectives?
- **Change**
Are you in a position to act accordingly should results require change or correction?

New Standard Corporation, a leader and preferred provider for metal based components, sub-assemblies and finished products, uses a process improvement methodology called Six Sigma from design thru distribution. Six Sigma is a relentless step-by-step approach that drives out variation in manufacturing and business processes by identifying the root causes and correcting them. Six Sigma utilizes a unique set of quality management and statistical methods that are guided by professionals within New Standard who are experts within these methods.

Customer Action Teams (CAT)

We match New Standard engineers and technicians with customer counterparts to manage design changes and provide analysis and controls for the fundamental aspects of the project. Cost improvement programs, quality issues, quality upgrades, improvements to logistics and new product development are just some of the concepts discussed. For a leading manufacturer of farm equipment, CATs meet weekly to explore new ideas and enhance their two way dialog. New Standard creates a focused team that becomes a proactive partner in your business as opposed to a reactive supplier.

Quality Assurance from Design to Distribution

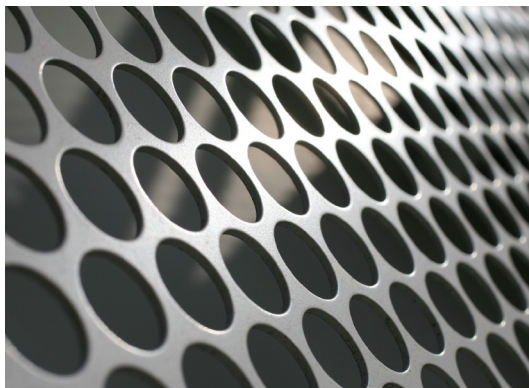
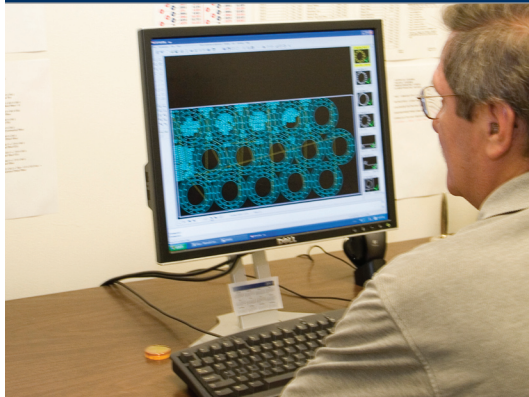
Design and Development – New thinking transforms concepts into manufacturable designs. To develop more innovative and reliable product designs, New Standard engineers integrate your concepts with leading edge manufacturing processes.

Contract Engineering – Depending upon the lifecycle stage of your product, our full time staff of qualified engineers can assist you at every phase of the production cycle to solve any manufacturing need.

Formability Analysis – Finding the best process to manufacture your product is critical to its financial success. A formability analysis will allow New Standard to meet your cost points through the most efficient means possible.

Assembly – Many of our customers require multiple parts to be designed, manufactured and assembled. New Standard has the full capability to assemble your parts to a finished product. By managing the assembly, we save you money at every step of the process and deliver a high quality finished product directly to your factory or distribution warehouse.





Certifications & Awards

New Standard's reputation is built on the precision and quality of our products and services. Certifications include ISO TS16949:2009. Awards received from our suppliers include Outstanding Supplier Performance and Quality Excellence in Process by demonstrating results in process control, ongoing continuous improvement, and the delivery of quality products.

Fundamentals

Lean Manufacturing

Lean production control essentials are supported by empowering our associates on the floor. Kaizen events are held monthly to refine our production processes and eliminate waste.

Quality Lab

New Standard has a complete Quality Lab in which various parts may be tested in-house. Offsite testing is also accomplished through an array of partners guided by New Standard engineers at the test site.

Metrology

Precision stamping and fabrication requires state-of-the-art measurement systems in order to maintain process control. New Standard has an extensive preventative maintenance and calibration program which includes all customer-owned tooling.

Documentation

New Standard provides manufacturing documentation to its customers and design documentation in situations where we are the design source. Under our Quality Management System procedures, manufacturing documentation is retained for one year and design information is retained for three years after completion of the project.

Supply Chain Management

New Standard selects and develops companies that not only provide high quality products on time, but also provide support for design, manufacturing, logistics, and waste elimination. We search for companies that practice excellent quality procedures, are a leader in their industry and proactively research and implement the latest technologies and management tools to maintain a competitive edge.

CASE STUDY

Production tube bundles, critical to this product's production, were leaving a facility incomplete with missing tubes causing a backup in the overall production process. Missing tubes were the single most frequent and persistent quality issue on this project. Tube bundles that were inserted manually and through automated machines were both affected. New Standard engineers employed their Six Sigma strategy to

define, measure, analyze, improve and ultimately control this major production issue. Five solutions were uncovered. The chosen result was a cost effective approach that greatly improved inspection techniques at all levels. With new training and a consistent approach to inspections, the techniques were then implemented at the manufacturing facilities reducing the missing tube bundles by nearly 70% in year one.