

Engineering and Quality

Our dedicated team of engineers can work on a project basis or on-site with your engineering department. This close relationship allows us to play an active role from product development to the assembly line—where quality and productivity matter most. We focus on delivering cost savings while maintaining or improving quality.

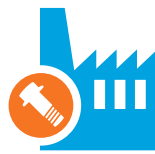
Engineering Expertise



Optimas engineers have an average of 20 years' experience specialising in fastener design



Deliver cost savings, never compromising the engineering quality of the final product



Market-leading fastener and manufacturing expertise for over 100 years



We're committed to a zero-defect culture

Engineering Services

Our expert application and quality engineers proactively find ways to reduce your risk, optimise your inventory, enhance your operations and improve your quality to help you save costs and sharpen your competitive edge.

Fastener Engineering Experts offer comprehensive design support

Whether you're designing a new product or improving an existing one, our engineering experts will find the right solution that saves cost without sacrificing quality. Our services include:

- Product development, analysis and performance testing (e.g. torque/tension)
- Value analysis and value engineering
- Rapid prototyping and sampling with 3D printing
- Finding the right fit per application
- Re-engineering of existing fasteners



Committed To Quality

Our dedicated team of quality engineers can help you address a broad range of customer, industry and regulatory-specific requirements for improved product integrity, increased efficiencies and better overall performance.



PPAP Center of Excellence

Dedicated team specialising in processing quick and accurate part approvals.



Risk Management

We use Advanced Product Quality Planning (APQP), root cause analysis and Failure Mode & Effects Analysis (FMEA) to effectively diagnose, correct and mitigate process or product risk from development to product launch.



Lean Six Sigma Programs

Our certified experts identify improvement opportunities for operational efficiencies.

Quality Driven For Success

Optimas manages a robust and sustainable zero defect approach (Feasibility, APQP, Lean & Six Sigma) that builds quality into every aspect of a component. Creating an environment that yields a zero defect culture leads to successful partnerships with customers and suppliers.

By actively pursuing customer requirements and measuring performance with regard to quality, cost & delivery, the team at Optimas has developed processes to meet or exceed customer requirements first pass yield every time; from PPAP, safe launch and serial supply.

The Optimas quality & supply chain development team has a clear global vision and strategy for continuous improvement techniques to drive performance and innovation. The team consists of Lean Six Sigma qualified quality engineers & supplier quality engineers who deploy value stream mapping, Kaizen and DMAIC to achieve sustainable processes and efficiency improvements at customer and supplier locations.

Our supply chain development team operates supplier management processes in line with recognised industry standards:

- CQI-19 Supplier Management Process
- AIAG Core Tools, Lean, Global 8D
- Capacity Planning
- VDA 6.3 Based Process Audit
- IATF 16949 certification
- Lean
- Six Sigma

One major key to improved processes is the use of data. The Connect Supplier Portal can manage customer requirements and supplier capabilities for feasibility and APQP, whilst at the same time capturing real time data in areas such as: delivery performance, quality incidents, 8D performance, PPAP approvals, certifications and more. Using real-time data ensures improvement opportunities are identified immediately.

Industry-Leading Certifications and Registrations

Optimas operates its facilities to the most rigorous standards as proven by our wide range of certifications and registrations. For more visit our website at optimas.com

Case Studies

Optimas uncovered ways to consolidate and standardise SKUs reducing cost and complexity with part rationalisation.

Faurecia, a manufacturer of interiors, seating and emissions solutions, partnered with Optimas to define a standardised global parts catalog, leading to significant efficiency gains, cost savings and speed to market.

To realize this success, we:

- **£1.8M** Annual Cost Savings
- **79%** Part Reduction
- **82%** Parts Met Standard Requirements

Faurecia boosted its quality, operational efficiency and financial performance across 111 plants in 22 countries, saving 1.8 million annually.



“ The Optimas part standardisation program not only reduced our piece part costs, but it also enabled us to launch new products quicker, decrease inventory obsolescence, improve product quality and increase customer satisfaction.”

Rainer Schulze
Global Commodity Director,
Metals & Mechatronics
Faurecia

Caterpillar, a leading, global machinery and engine manufacturer, partnered with Optimas to expand production volume, reduce part defects and improve product reliability.

Caterpillar wanted guidance on improving product reliability by reducing overall part defects to 30 PPM from 60 PPM. After assessing their manufacturer’s supply chain and production methodologies, we recommended a proactive approach to ensure quality becomes a critical component throughout the development, production and launch of products.

With a comprehensive plan, designed to influence all aspects of its manufacturing process, Caterpillar established a robust quality program that permeated throughout its supply chain and:

- **95%** Part Quality Improvement
- **30 PPM** Quality Rating
- Eliminated nearly all warranty costs as a direct result of part defects
- **100%** on-time PPAP delivery for new product introductions



“ The Optimas team demonstrated their impressive capability on continuous quality improvement with local suppliers and global sourcing consolidation, resulting in excellent quality performance.”

David Zhang
Sourcing Quality Manager,
Logistical Center
Caterpillar

ABOUT OPTIMAS

Optimas is the leading global industrial distributor and service provider specialising in fastening and supply chain solutions for manufacturers seeking to improve efficiency and profitability. We take care of the details so you can focus on manufacturing cutting-edge products—giving you an unparalleled competitive edge.

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