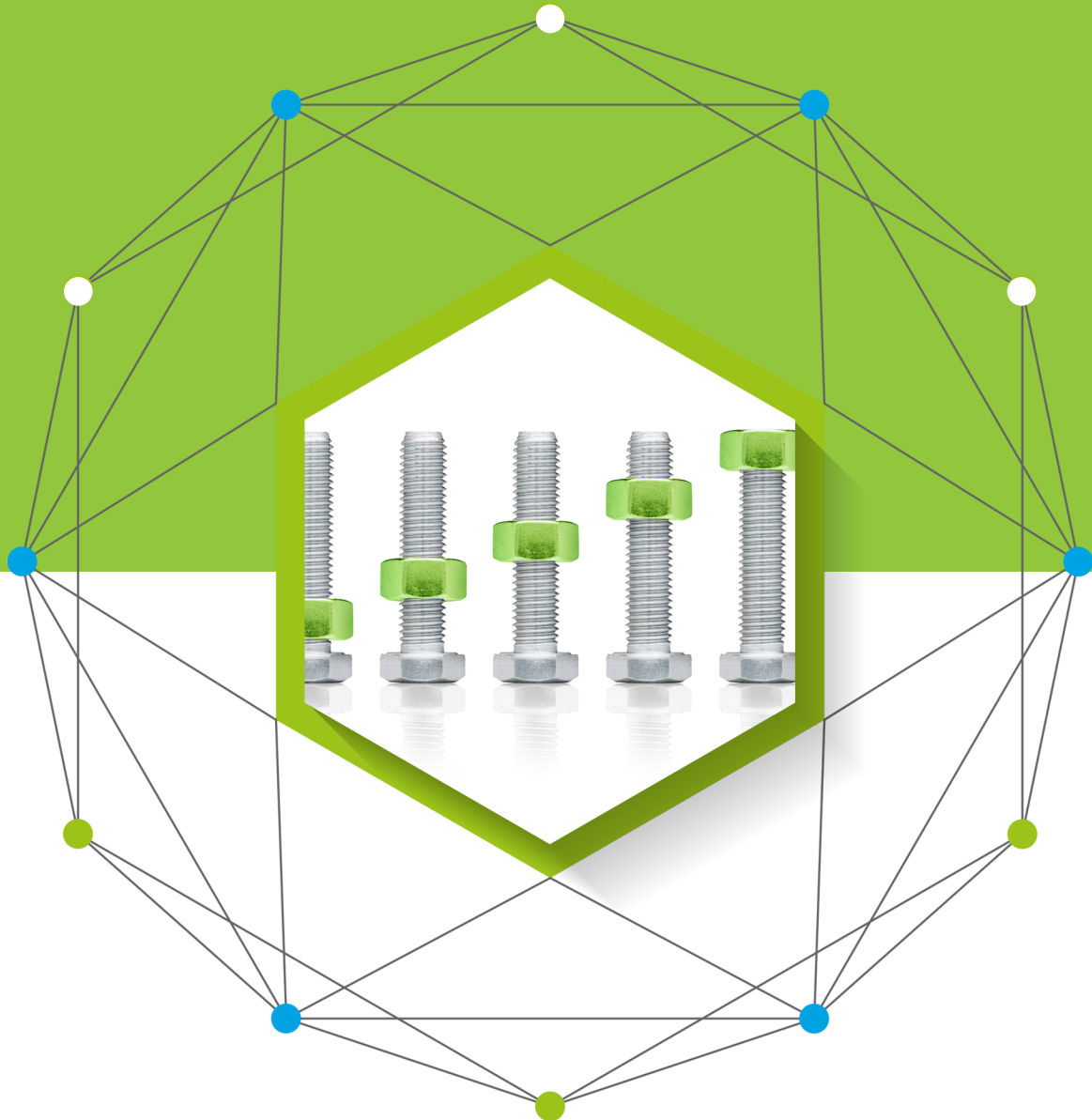




MAXIMISING EFFICIENCIES FOR MANUFACTURERS



**Fasteners | Cold Forming | Engineering | Quality Labs |
Inventory Management | Components | Supply Chain Solutions**



THE NUTS AND BOLTS OF A GENUINE PARTNERSHIP

Every partnership should offer a trusted, seamless bond.

At Optimas, we build our relationships on shared values and goals, not just products and services. While we provide high-quality fastening solutions and industrial supplies, it's our business solutions that set us apart.

We act as an extension of your team to help streamline your operations, manage your supply chain and optimise your inventory. We also initiate and conduct continuous improvements using manufacturing and engineering expertise alongside advanced technology to grow your business and reduce your total cost of ownership. In other words—we help you find efficiencies in every aspect of your operation to ensure you are productive and profitable.

DISTRIBUTION

FORMULA FOR SUCCESS



MINIMISE YOUR SUPPLY CHAIN RISK

Stay competitive with a streamlined supply chain, global sourcing and readily available inventory.

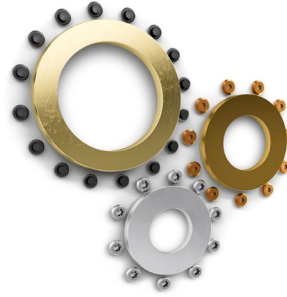
Result: 75% less bill of materials with simplified supply chain



OPTIMISE YOUR INVENTORY

Produce more with less. Reduce your inventory, eliminate waste and prevent downtime.

Result: £1.3 million annual cost savings from part standardisation



ENHANCE YOUR OPERATIONS

Do more with less. Free up your staff to focus on what matters most.

Result: £4.3 million lifetime cost savings from increased manufacturability



IMPROVE YOUR QUALITY

Manufacture cutting-edge products your customers trust with a "best-in-class" product range.

Result: 95% part quality improvement from advanced quality planning and process controls

FOCUSED ON YOUR NEEDS

Our fastening and supply chain solutions have helped manufacturers around the globe improve their productivity and profitability for over 100 years. Rely on our quality products, on-time delivery and exceptional service to advance your competitive edge. Our local experts will work with you to build customised and scalable programs to drive impactful, meaningful results.



1,300
dedicated Optimas
team members serving
+5,000
customers around the world



9.1 BILLION
parts from over
150,000
SKUs delivered annually

 **4,000**
Global suppliers



+1 BILLION
parts manufactured annually



Supporting you
365
days a year


Zero-defect culture

Distribution

Optimas are 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.



SUPPLY CHAIN MANAGEMENT

Reduce risk, improve lead times and save labour costs by working with a single source.



QUALITY CONTROL

Know you're in good hands with our zero-defect culture and "best-in-class" product range.



GLOBAL SOURCING

Take advantage of our vast supplier network, leveraged buys and global footprint.



INVENTORY MANAGEMENT

Stock only the parts you need, where and when you need them.



INNOVATIVE TECHNOLOGY

Make data-driven decisions to streamline your processes and improve your productivity.



WORLD-CLASS MANUFACTURING

Capacity and expertise to manufacture all your specific fastening needs.



TRANSPORTATION & LOGISTICS

Receive your orders when and how you want them, from dock to dock to direct to the line.



PROCESS IMPROVEMENT & ENGINEERING

Count on our proactive expertise to drive efficiencies and savings across your operations.



PART DESIGN & TESTING

Partner with our engineers to design and test your parts to increase performance.



KITTING & ASSEMBLY

Increase your efficiency with pre-packaged kits and customised parts.

Minimise Your Supply Chain Risk · Optimise Your Inventory · Enhance Your Operations · Improve Your Quality



MANUFACTURING

MANUFACTURING EXCELLENCE

Optimas are a leading manufacturer of fasteners to industry

Our integrated engineering, rapid prototyping and testing capabilities result in superior quality bolts, screws, nuts, rivets and other fastening solutions.

Fasteners

- Hex Flange Bolt
- Cap Head Bolt
- Double-ended Stud
- Banjo Bolt
- Security Fasteners
- Solid Rivet
- Spacers
- Socket Set
- Ball Stud
- Cam Bolt

Pictured: a selection of some of the high-quality, precision fasteners and fixings Optimas can manufacture for your next project.



BENEFITS & CAPABILITIES

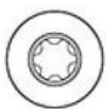
Housed in our advanced facility in Droitwich (UK), utilising state-of-the-art machinery and cold forging processes, Optimas delivers expertise and capacity to meet your specific fastening requirements.

- Supply chain stability (UK made)
- Cost effective manufacturing methods
- Superior quality
- Fast production throughput
- World class engineering
- Minimal material waste
- Highly repeatable process
- Cold forming (Length 6 - 175mm, Diameter 2 - 18mm)
- Bar turning (Max length 140mm, Diameter 6 - 42mm)
- Variety of drive types
- Rapid prototyping (CNC & 3D printing)
- Range of materials
- Plastics (Bar turning)
- Laser measuring & SPC

Cold Form Size Capability



Drive Type Capability



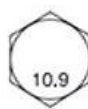
6-LOBE



HEX
SOCKET



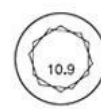
PHILLIPS
PSD DRIVE



HEX
10.9



HEX
FLANGE



12 PT HEX
FLANGE
10.9



EXTERNAL
6-LOBE

Through a programme of continued investment, Optimas boasts world class production facilities ready to support your manufacturing needs and exceed the demands of industry.



Processes

- Turning
- Milling (C & Y Axis)
- Screw cutting (Right & left-handed threads)
- Drilling
- Boring
- Tapping
- Broaching
- Engraving
- Superpositional/Simultaneous machining
- Assembly

Quality & Accreditations

- IATF 16949 certified
- Advanced inspection, measuring and test capabilities
- Best-in-class PPM (Parts-per-million)
- ISO 9001 and 14001 certified
- PPAP certification
- 100% audit approval
- Industry-leading validation equipment
- Partner performance management strategies

Licensed Brands

- Taptite 2000®
- High Torque®
- Remform®
- MORTORQ Super
- Powerlok®
- Internal / External 6-Lobular
- Crosshead
- Mathread®
- Matpoint®





ENGINEERING

ENGINEERING & 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.

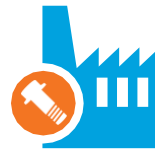
Engineering Expertise



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)
- Rapid prototyping and sampling with 3D printing
- Value analysis and value engineering
- 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.

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 realise 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



INVENTORY
MANAGEMENT

INVENTORY MANAGEMENT SOLUTIONS

Manage your parts from procurement to replenishment with our customised Vendor Managed Inventory (VMI) Programs.

OptiTech VMI Solutions will enhance your ability to improve forecast accuracy, respond to changing demands quickly and automate inventory replenishment.

With greater visibility into your inventory and consumption, you'll dramatically reduce costs, speed fulfillment and boost productivity.



Benefits:

- Reduced Inventory
- Less Overhead
- Higher Productivity
- Improved Demand Planning
- Minimised Excess & Obsolescence

How It Works



Safe. Easy. Fast.



Service and Delivery Options

We offer full-service or self-managed programs with flexible technology, packaging and delivery options. Our experienced experts work with you to evaluate and select the optimal VMI Program for your business needs.

Which parts can we manage?

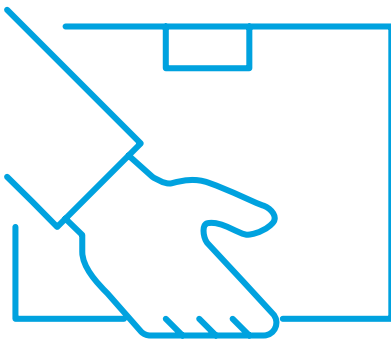
We'll take over the management of your parts—whether the parts are sourced through Optimas, customer-directed or customer-owned.

Who orders and replenishes parts?

You can select a full-service or self-managed program. In our full-service program, Optimas delivers and fills the bins at a scheduled time, or has an onsite Optimas team member or in-plant store replenish the inventory. In our self-managed program, Optimas ships parts directly to your dock, and your staff fills the bins.

How are parts deployed?

Parts can be deployed to multiple areas within your plant to ensure maximum efficiency:



1

SUPERMARKET

Stock is delivered to a single location.

2

AREA RACKS

Stock is delivered to a designated area(s) close to the point of use.

3

DIRECT TO THE LINE

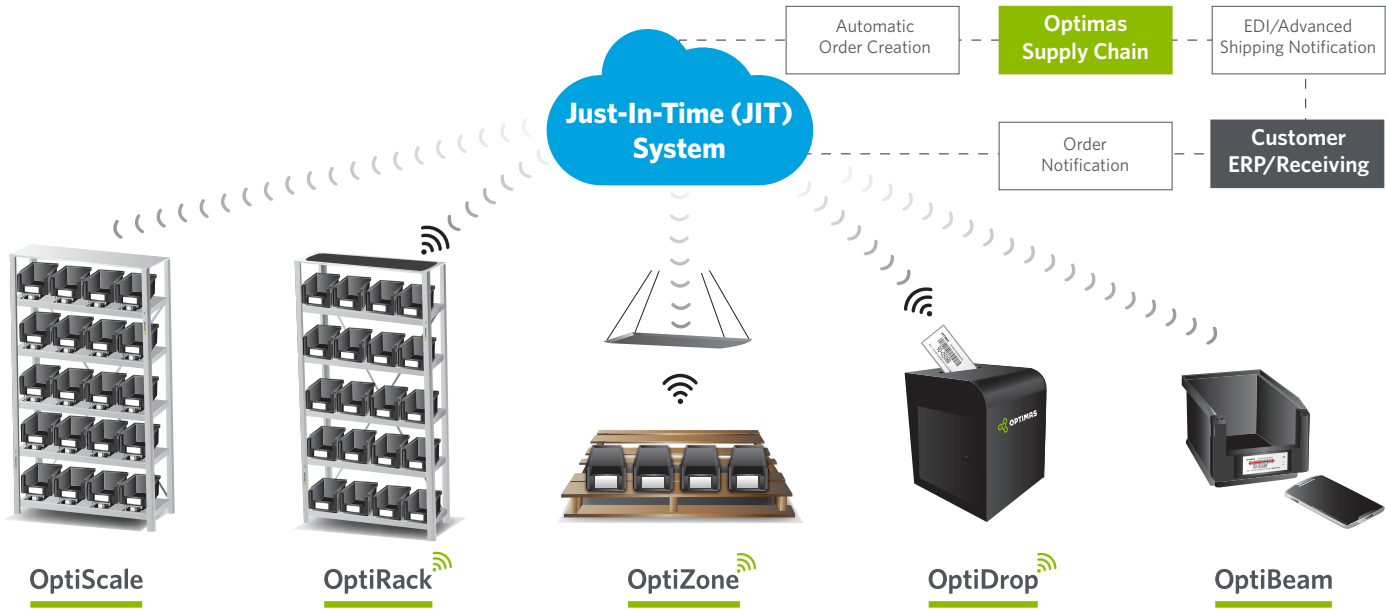
Stock is delivered to the point of use.

What customer support will be provided?

Each VMI Program has an Optimas customer service representative who monitors the flow of your transactions and parts to ensure there is zero disruption to your line. For additional support, you can also call our JIT 24-hour hotline.

OptiTech VMI Solutions

Our innovative OptiTech VMI Solutions use the latest technology to automate inventory replenishment, saving you time and money.



Any OptiTech configuration can be set up as a single or multiple bin Kanban system. Using EDI and Web, we can integrate into your ERP and legacy systems for easy transmission of orders, shipping notifications and invoicing.



JIT System

Secure, cloud-based just-in-time platform that receives and processes orders from any OptiTech VMI Solution. Access customised, real-time reports for greater transparency into your inventory and consumption data.

OptiScale

Uses the latest weighing technology to measure real-time inventory status down to the part quantity level in a bin. Embedded sensors monitor the weight capacity and then automatically trigger orders based on pre-defined min/max levels and reorder/unit pack sizes. Stock levels can be accessed 24/7/365. OptiScale can be configured in a bin, shelf or container.

OptiRack

Uses advanced RFID technology to automate inventory replenishment. When empty bins are placed on an RFID mat on the rack shelf, it detects the RFID chip embedded in the bin label and then wirelessly triggers an order. OptiRack can be set up in any designated area—a supermarket, area rack or at the point of use.

OptiZone

Uses advanced RFID technology to automate inventory replenishment. An RFID antenna points to a designated area—a pallet, cage, gaylord container or bulk area. When an empty bin is placed in that area, the antenna detects the RFID chip embedded in the bin label and then wirelessly triggers an order.

OptiDrop

Uses advanced RFID technology to automate inventory replenishment. Each bin has a unique card with an RFID embedded chip. When the bin is empty or low, simply remove the card and place it inside the OptiDrop box to wirelessly trigger an order. OptiDrop can be placed at any location inside the plant.

OptiBeam

Uses the latest in scanning and barcode technology for easy inventory replenishment. Our cellular-enabled scanners allow Optimas or the customer to check inventory levels and send orders instantly. The scanner includes auditing software so you can search parts, validate bin location and set optimal reorder/unit pack sizes.

Demand Planning and Forecasting

To better serve you, we've invested in advanced technology that uses predictive analytics and machine learning to improve your forecast accuracy—even in times of market volatility.

Implementation and Reporting

Full Integration

We can provide all the systems and equipment or integrate with what you have today. After deployment, we'll train you on how to access the JIT System for tracking and reporting. To maximise the impact of your program, we'll regularly analyse your part consumption and optimise your inventory as needed.

Transparent Data

We believe that transparency is important to any partnership. With our industry-leading standard and customised reports, you'll gain a thorough understanding of your inventory usage for improved production planning. Such as order status, usage reports, bill of material profile and inventory turns.

Why Optimas?

For over **100 years**, we've been at the very forefront of **fastener manufacture and distribution**. Our extensive technical heritage, engineering flair and partnership approach is what sets us apart. Understanding our customers and adapting to meet their needs is what we do best.

Get in touch to find out how we can exceed your requirements.



Fasteners | Cold Forming | Engineering | Quality Labs |
Inventory Management | Components | Supply Chain Solutions

Optimas OE Solutions
UK Headquarters
Waterwells Drive
Quedgeley
Gloucester
GL2 2FR

T: +44 (0)1452 880500
E: enquiries@optimas.com
W: www.optimas.com

Powered by
renewable
energy 

Promoting manufacturing sustainability