



HEAVY DUTY TRUCK SOLUTIONS

STRATEGIC SOURCING | VENDOR MANAGED INVENTORY
LOGISTICS & SUPPLY CHAIN SOLUTIONS | SUPPLIER CONSOLIDATION

MAXIMISING
MANUFACTURING
EFFICIENCIES



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DRIVING SUCCESS

Optimas Solutions is a major manufacturer and distributor of fasteners and components to the heavy duty truck industry, including trailers and rigid-bodies.

Whether you need parts for a chassis, drive system, braking, or a more robust solution with protection against environmental factors and the demands of an external application, we're sure to have a high-quality fastening solution to meet your requirements.

Relied upon and trusted by thousands of OEMs and Tier 1 companies globally, our fasteners and components are available in a wide range of sizes, materials, and finishes.



Fasteners & components can account for up to 50% of all SKUs required in product manufacturing.

Part selection can play a key role in weight and performance.

A full-service fastener manufacturing partner

We offer cutting-edge inventory management systems to increase efficiency, reduce downtime, and ensure stock is delivered on time - so you can focus on building and delivering world-class truck products.

SMALL PARTS, BIG IMPACT

The world of heavy duty truck construction, from vehicles to infrastructure, is a minefield of technical performance challenges, including the very smallest of parts.

Performance is key, including the nuts, bolts, engineered parts, and components that are used to assemble vehicles. Lightweighting, insulation and material choice are considerations that carry more importance than ever before, directly affecting vehicle performance, range, and overall cost.



Design it. Source it. Make it.

You can rely on Optimas to supply high-quality fastenings to meet the exact standards of your truck project.

FASTENING SOLUTIONS

Fasteners are an essential and critical part in almost every truck product.

Trusted by over 5000 manufacturers globally, you can rely on Optimas to provide the nuts and bolts for your next project.

There are hundreds and thousands of fastener styles and finishes to choose from. Here are 6 key considerations:

- | | |
|---------------|------------------------------|
| 1) Size & Fit | 4) Vibration |
| 2) Materials | 5) Weight |
| 3) Corrosion | 6) Assortment & Availability |



C-Class Components

Much more than just nuts and bolts, Optimas can supply heavy duty truck manufacturers with a wide array of high-quality plastic and rubber C-Class components.

From cable routing and management, strain relief and seals, these parts can play a critical role in the production of your products.

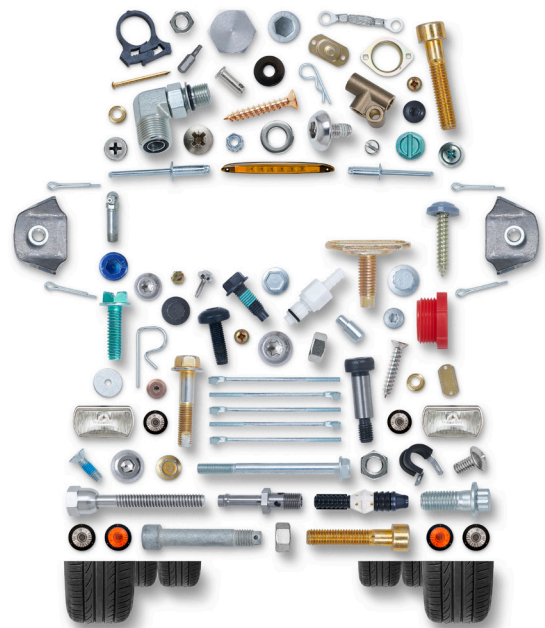


FOCUSED ON YOUR NEEDS

Our fastening and supply chain solutions have helped truck manufacturers around the globe improve their productivity and profitability for over a 100 years. You can 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.

GLOBAL LEADERS

From global sourcing to world-class manufacturing, our value-added services allow truck manufacturers to focus on producing cutting-edge products, giving you an unparalleled competitive edge.





ENGINEERING EXCELLENCE & QUALITY AT EVERY TURN

With the rapid technological advancements propelling the heavy duty truck market to further growth, the demand for engineered fasteners and best in class quality components is larger than ever.

Whether you need to keep up with the competition and require bespoke parts to keep your truck products ahead in the industry, or are pushing to maximise the structural integrity and safety of your machinery, Optimas has the engineering and quality experts to support your goals.

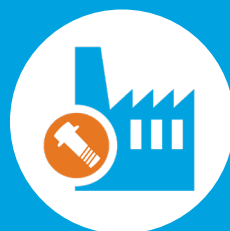
Our dedicated team of engineers can work on a project basis or on site with your engineering department. This close relationship allows us to play an active role from product development to the assembly line, where quality and productivity matter most. We focus on delivering cost savings while maintaining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



Optimas engineers have an average of **25 years'** experience specialising in fastener design.



We deliver **cost savings** without compromising the engineering quality of the final product.



Full service fastener distributor & technical partner. Manufacturing expertise for over **100 years**.



We are committed to a **zero-defect culture**.

Our expert application and quality engineers pro-actively work to find ways to help you save costs and sharpen your competitive edge.



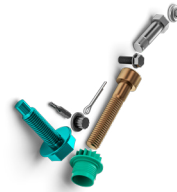
Reduce supply chain risk



Optimise your inventory



Enhance your operations



Improve your quality

OUR SERVICES



Product development,
analysis, and
performance testing



Finding the right fit
per application



Rapid prototyping
and sampling with 3D
printing



Re-engineering of
existing fasteners



VAVE: Value analysis
& value engineering



Custom cold-formed
fastening solutions

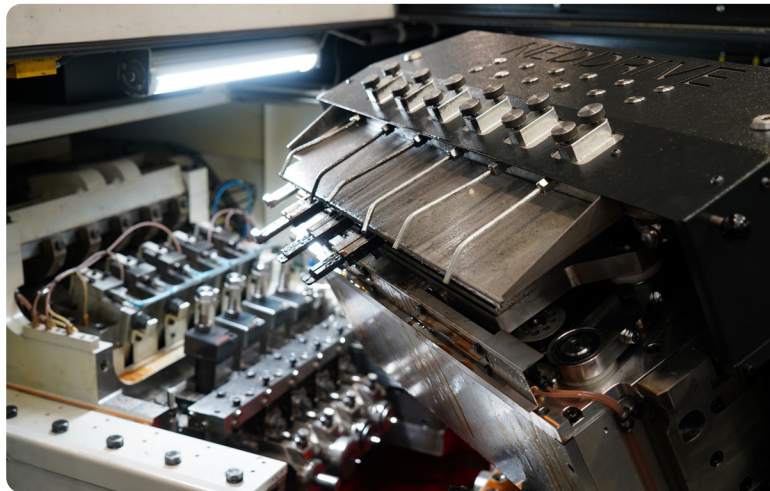
MANUFACTURING EXCELLENCE

Optimas is a leading manufacturer of fasteners to the heavy truck industry.

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

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

Through a program of continued investment, Optimas boasts of world class production facilities ready to meet your manufacturing needs.



CAPABILITIES

- Cold Forming:
 - Length: 6-175 mm
 - Diameter: 2-18 mm
- Bar Turning:
 - Max length: 140 mm
 - Diameter: 6-42 mm
- Variety of drive types
- Rapid prototyping
- Plastics (Bar Turning)
- Laser measuring & SPC

PROCESSES

- Turning
- Milling
- Screw cutting
- Drilling
- Boring
- Tapping
- Broaching
- Engraving
- Superpositional machining
- Assembly



LICENSED BRANDS

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



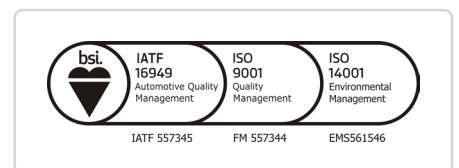
QUALITY & ACCREDITATIONS

Certifications

- IATF16949
- ISO9001:2015 (Quality Management)
- ISO14001 (Environmental Management)
- PPAP certification

Capabilities & Performance

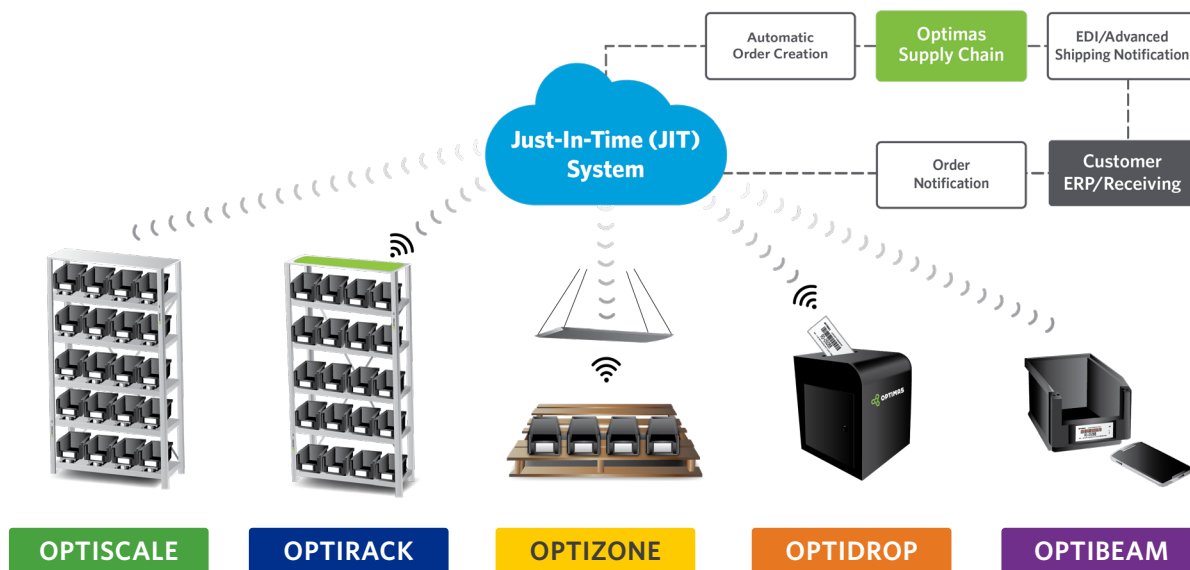
- Advanced inspection, measuring and test capabilities
- Industry-leading validation equipment
- Partner performance management strategies
- Best in class PPM (Parts per million)
- 100% audit approval



INVENTORY MANAGEMENT SOLUTIONS

Vendor Managed Inventory (VMI) programs are essential for truck OEMs to help streamline their supply chain and improve efficiency. Our **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 fulfilment, and boost productivity.



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

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 predefined 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

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

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

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

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.



Any OptiTech configuration can be set up as a single or multiple bin Kanban systems.

Using EDI & Web, we can integrate onto your ERP and legacy systems for easy transmission for orders, shipping notifications and invoicing.

SUSTAINABILITY



INTERNATIONAL CERTIFICATIONS

- ISO14001-certified (Environmental Management System) facilities in UK, China, and France.
- 100% of our UK employees work within ISO14001-certified facilities.



ADVANCING THE CLEAN ENERGY TRANSITION

- We procure renewable energy tariffs backed by Renewable Energy Guarantees of Origin (REGO) certificates, in UK, France, and the USA.
- To optimise energy efficiency, we conducted building audits leading to targeted upgrades such as LED lighting, occupancy sensors, and smart HVAC systems.



RESPONSIBLE MANUFACTURING AND SOURCING

- All cold-forming waste from our UK plant is recycled or re-purposed. Nothing enters landfills.
- In 2024, over 30% of our raw materials were sourced from scrap metal. This reduced dependence on virgin resources, supporting supply chains principles to lower carbon footprint.
- Our safety gear, including gloves, are made with 50% recycled materials.



Optimas is proud to have our net-zero targets validated by the Science Based Targets initiative (SBTi).



CASE STUDY

Heavy Duty Truck Manufacturer

PART CONSOLIDATION BETWEEN BRANDS DELIVERS LONG-TERM ECONOMIC IMPACT

A global truck manufacturer partnered with Optimas to standardise components for common production platforms.

Optimas fastening experts standardised joint design and plating for both product platforms that generated significant savings and performance improvements.

Optimas combined manufacturing expertise with production best practices in refitting and rebuilding two production lines for full value supply chain visibility. To prevent SKU proliferation, our cross functional experts optimised our partner's 1,250,000 square foot facility with logistical hardware to improve efficiencies and bridge themselves closer to the Optimas supply chain. As a result, the partner saw a 15 % rise in efficiency.

- ⚙ Offered a \$5.9 million lifetime cost savings
- ⚙ Eliminated redundant inventory
- ⚙ Increased clamp load by 50% to 22,500 lbs
- ⚙ Normalised corrosion protection at 240 hours of salt spray
- ⚙ Eliminated 275 parts between brands removing costs, risk, and complexity
- ⚙ Reduced weight by 10% from replacing the original nylon parts with metal parts
- ⚙ Improved assembly processes with less torque while maintaining existing tooling

Real Results, Real Impact

\$5.9M

Lifetime Cost
Savings

275

Parts
Eliminated

50%

Higher Clamp
Load

10%

Parts Weight
Reduced

15%

Increase In
Efficiency

Truck fastener market
forecasted to reach

\$6.9 Bn

By 2030

Cold-forming
accounts for around

70%

of fastener production

Each heavy truck
assembly typically uses

5700+

fasteners. More than
passenger vehicles



Heavy truck OEMs adopting lightweight solutions can achieve weight savings, improved fuel-efficiency, and enhanced performance.

Speak with an Optimas Expert About Lightweighting Today



OPTIMAS SERVICES

That Streamline Operations & Maximise Efficiency

MANUFACTURING SOLUTIONS

Leverage in-house manufacturing, cold form production, and 3D printing. Optimas provides the unique advantage of dual sourcing through a single trusted partner.

[Read More...](#)

ENGINEERING & QUALITY

We can help you identify opportunities and implement best practices that simplify your manufacturing, elevate production and decrease costs.

A zero-defect culture, in-house testing labs and PPAP Centres of Excellence ensure reliable parts you can trust.

[Read More...](#)

INVENTORY MANAGEMENT

Optimise inventory with our innovative OptiTech solutions. Increase fastener availability and automate replenishment with JIT cloud-based technology.

[Read More...](#)

SUPPLY CHAIN SOLUTIONS

Our comprehensive supply chain solutions streamline fastener distribution while continuously improving productivity, shortening lead times, and saving money.

[Read More...](#)

Contact Us



Speak to our
Experts Today

OR

Email us at

engage@optimas.com

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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