



APPLIANCES

FASTENERS | COMPONENTS | VMI

**MAXIMISING
MANUFACTURING
EFFICIENCIES**



support@optimas.com

PARTNERING IN YOUR SUCCESS

Optimas Solutions are a major manufacturer and distributor of fasteners and components to the industrial boiler and commercial kitchen equipment industries.

Whether you need parts for a condensing boiler or commercial glass-washers, we're sure to have a high-quality fastening solution to meet your requirements.

Relied upon and trusted by thousands of OEMs globally, our fasteners and components are available in a wide range of sizes, materials and finishes to suit any fastening application.

Offering both full-service and self-managed systems, Optimas can provide you with a cutting-edge fastener managed inventory system that will streamline your manufacturing processes, boosting your profitability and productivity.

SMALL PART **BIG** IMPACT



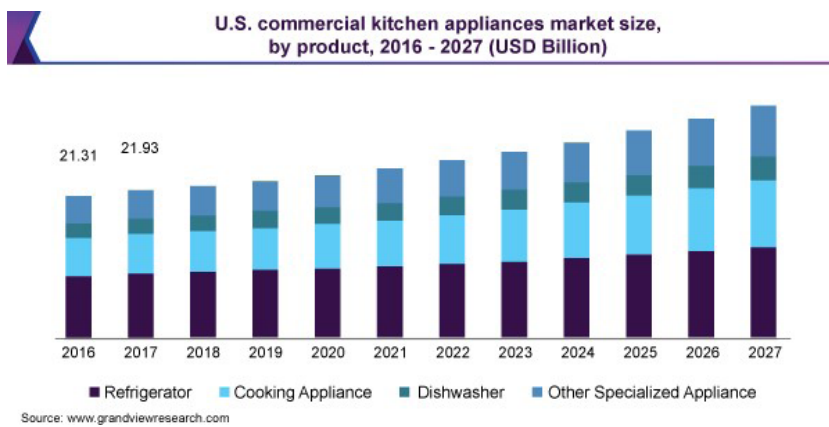
The commercial appliances and boiler markets are predicted to experience intense growth in the next five years. However, in the face of such intense demand, it's easy to lose sight of some of the most important parts – standard fasteners. Manufacturers are also suffering from increased lead times and product shortages, making it difficult to meet demand.

Industrial appliances require a significant number of standard fasteners that need to be made of durable materials to perform well in their application.



KEY FINDINGS & INSIGHT

Although growing at an exponential rate, the surge in demand for industrial boilers and kitchen appliances is not one without challenges.



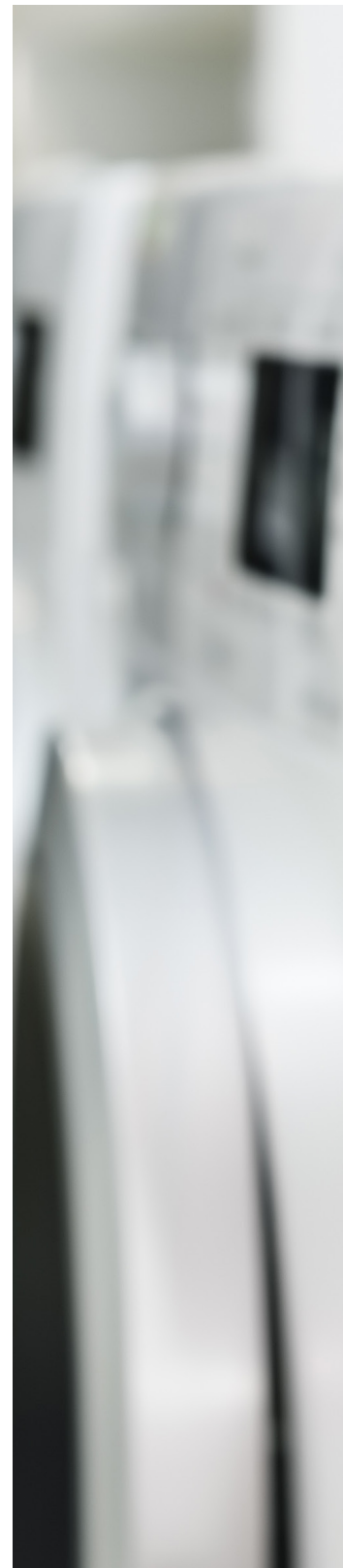
US Commercial Kitchen Appliance Market Size and Growth



12% of major source boilers will need to be totally refurbished or replaced to meet new emissions targets, creating significant



Fasteners can account for up to 50% of SKUs in the manufacture of any product. Part selection can play a key role in weight and performance.





FASTENERS



Appliances and white goods, transportation that gets us from A to B, furniture we relax on at the end of the day, power generation by way of wind turbines... they all share a common thread — nuts, bolts, screws and rivets.

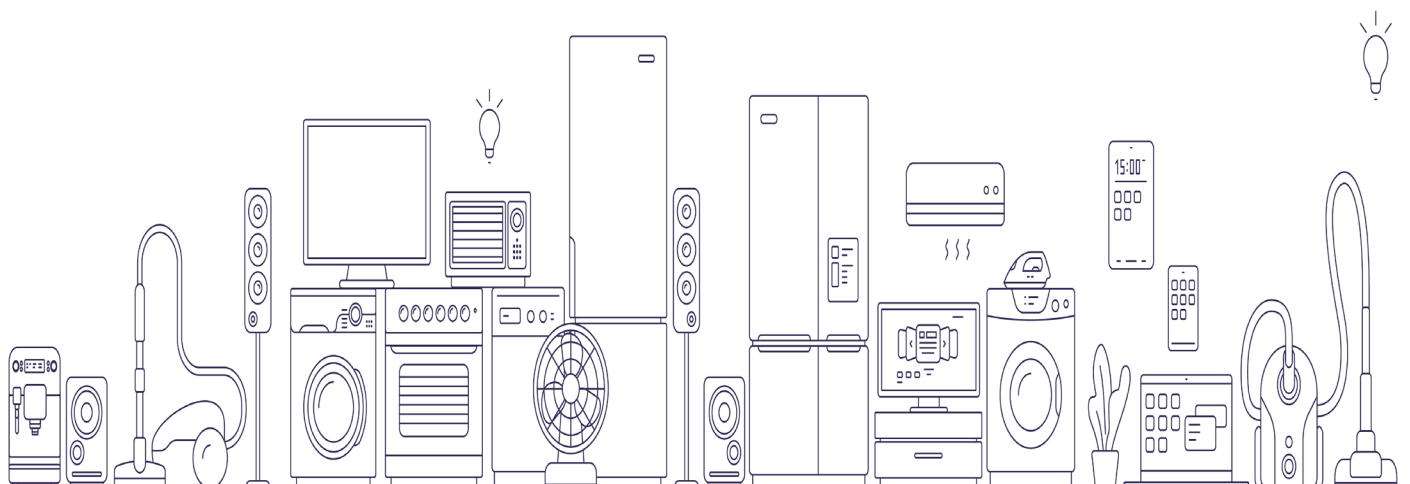
Although small, fasteners are an essential part in almost every manufactured product, by every sector of industry.

Trusted by over 5000 manufacturers across the globe you can rely on Optimas to have the nuts and bolts for your next project, whatever the application.

Commercial kitchen equipment comprises a range of products, from weighty 8-burner ovens to glasswashers. There are hundreds of thousands of fastener styles and finishes - it can be hard to know what fasteners are best for your industrial appliance project. Here are some key areas of consideration:

Assortment & Availability: Most commercial kitchen appliances and industrial boilers don't need highly engineered solutions and can be produced using standard fasteners, but these parts still need to be optimised for use. It can take up to 56 weeks to get a fastener from one end of the supply chain to the other. HVAC projects that require specialty fasteners can be even further delayed. Optimas can cut down lead times with a robust portfolio of parts and the buying power to meet the many challenges of your project

Materials: Fasteners used in an oven that can achieve 250°C will need to be able to withstand considerable heat, whereas a fastener used in a dishwashing application will need to achieve excellent corrosion resistance. Industrial boiler fasteners, on the other hand, need to withstand intense heat, pressure and abrasive chemicals to perform well in their application.



Source it. Make it. Design it. You can rely on Optimas to supply high-quality fastenings to meet the exact standards of your industrial appliance project.

Standard Fastening Solutions

Bolts

- Anchor
- Carriage
- Elevator
- Flange
- Heavy Hex
- Hex
- Hex Lag
- Shoulder
- Structural
- Tap

Nuts

- Flange
- Heavy Hex
- Hex
- Jam
- Keps
- Locknuts
- Rivet
- Square
- Structural
- Weld

Washers

- Beveled
- Fender
- Finishing
- Flat
- Lock
- Sealing
- Shoulder
- Square
- Structural
- Wave

Screws & Other Fasteners

- Cap
- Drywall
- Lag
- Machine
- Self Drilling
- Self Taping
- Shoulder
- Socket Cap
- Thread Cutting
- Thread Forming
- Anchors
- Clamps
- Inserts
- Pins
- Pipe Fittings
- Rings
- Rivets
- Sockets
- Spacers



Engineered Fastening Solutions

- Custom Designed Parts
- Heavy and Light Duty Clamps
- Hydraulic and Pneumatic Fittings
- Pins, Lanyards and Pin Assemblies
- Powder Metal and Metal Injection
- Molding Products
- Stampings, Assemblies and Kitting
- Finishes and Secondary Operations
- Exotic Materials

FASTENER MANUFACTURING

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 forging processes, Optimas delivers expertise and capacity to meet your specific fastening requirements.

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

Capabilities

- Cold Forming:
 - Length 6 - 175mm
 - Diameter 2 - 18mm
- Bar Turning:
 - Max length 140mm
 - Diameter 6 - 42mm
- 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

- 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

COMPONENTS

Much more than just nuts and bolts, Optimas can supply manufacturers of industrial appliances 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 appliance performance.



C-Class Components

- Assortment Kits
- Cable Management
- Caps and Plugs
- Fuses and Indicators
- Mechanical Hardware
- PCB and LED Accessories
- Security Seals
- Wire and Cable
- Wire Termination



RELIABLE, QUALITY PRODUCTS.

**That's the
nuts and bolts.**





OPTITECH INVENTORY MANAGEMENT SOLUTIONS

Forming a huge part of many production builds, fasteners can be subject to varying rates of consumption, with excess stock negatively affecting cash flow. The ability to easily identify demand vs capacity and highlight potential production bottlenecks via Kanban is of the utmost importance.

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

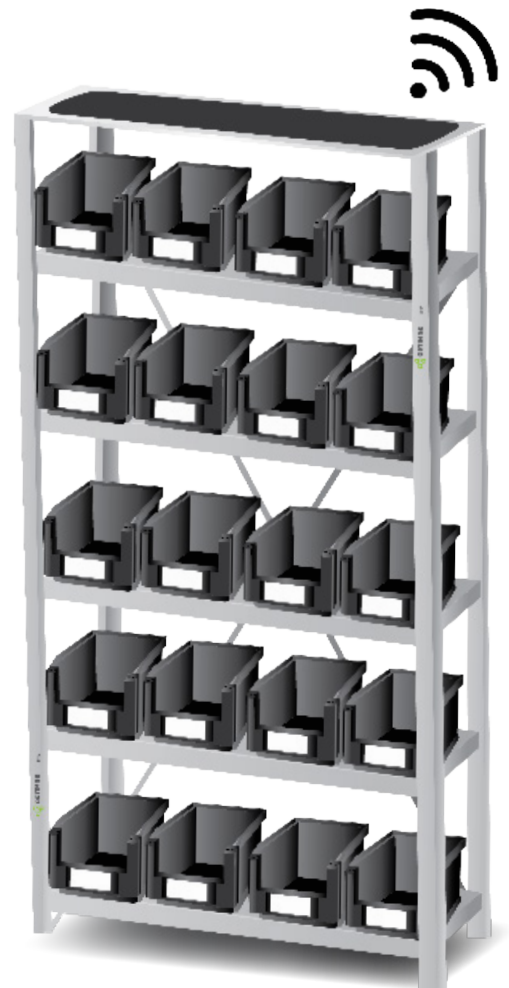


OptiBeam

OptiBeam uses the latest in scanning and barcode technology for easy inventory replenishment. Our 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 re-order/unit pack sizes.

OptiRack

OptiRack Uses advanced radio-frequency identification (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.



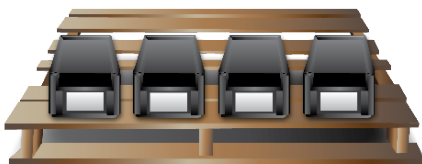
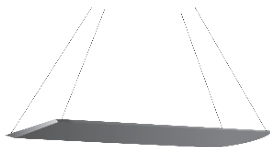
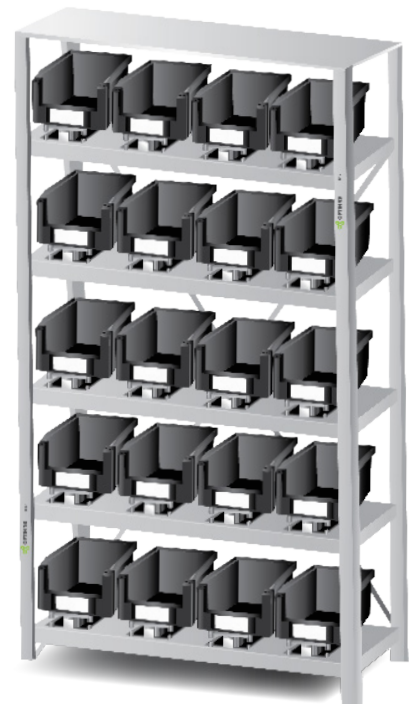


OptiDrop

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.

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 re-order unit pack sizes. Stock levels can be accessed 24/7/365. OptiScale can be configured in a bin, shelf or container.



OptiZone

Uses advanced RFID technology to automate inventory replenishment. An RFID antenna points to a designated area - a pallet, cage, 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.

MORE WITH LESS

From analysing fastener and component usage patterns and quantities to inventory cost-saving methods - we can help identify areas of improvement, allowing you to work smarter and do more with less.



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

We started the journey with Optimas in our automotive Interior Systems division, and have since expanded this effort to our Seating and Clean Mobility business units.

Rainer Schulze
Global Commodity Director,
Metals & Mechatronics
Faurecia



ENGINEERING



Fasteners form the basis of many of the goods we rely upon every day, although they're often the smallest component in a build they can account for a large percentage of a product's construction.

These parts can account for up to 50% of SKUs in the manufacturing of any product, proving that, although small, fasteners are an important part of every manufacturing strategy.

Fastener selection, if not refined and optimised, can inherently pose unnecessary roadblocks that can start from the very first set of designs. Part proliferation is one by product of the design process that increases complexity and can rapidly bloat a bill of materials. Through a programme of rationalisation, these parts could be unified, saving money.

Though fasteners and components are the core of everything we do, it's our "above and beyond" company ethos that truly sets us apart.

Engineering support is on-hand from design stage to production, allowing you to analyse and streamline your bill of materials through part assortment analysis, consolidation of SKUs and product re-engineering so you can find the right solutions to save costs.

Through a transparent partnership approach, not only can we help by providing clear advice on our products and services, but you'll also benefit from our data-driven decisions, best-in-class technology, and access to our team of industry experts.





SUSTAINABILITY

Sustainability awareness is quite rightly at an all-time high and is playing a key role in the way all companies operate.

The focus is firmly on industry to play a crucial role in addressing ways of protecting our natural environment and human and ecological health.

Investing in innovation and investing in a greener future for generations - Optimas is setting the standard.



100% of Optimas UK facilities (6 sites manufacturing and distribution) powered by renewable energy.



89% of cold forming waste material is recycled with **0%** sent to landfill.



100% of additive manufacturing waste recycled.



We source PPE from manufacturers who produce eco-friendly solutions such as safety gloves made from **50%** recycled materials.

Partner with Optimas to achieve your sustainability targets.

Powered by
renewable
energy

Promoting manufacturing sustainability

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.

9.1 Billion

parts from over

150,000

SKUs delivered
annually

4,000

global suppliers

1 Billion

parts manufactured
annually

5,000

customers worldwide



MAXIMISING MANUFACTURING PRODUCTIVITY

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