



MANUFACTURING & DISTRIBUTION **SOLUTIONS**

Optimas is the **leading Global** industrial manufacturer, distributor and service provider that specialises in **fastening** and supply chain **solutions** for manufacturers seeking to **Efficiency Up**

GLOBAL REACH LOCAL PRESENCE

Through our **geographic**
footprint we provide
solutions for our
customers **Globally**





OVERVIEW



SUPERIOR QUALITY

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



POWERED BY 100% RENEWABLE ENERGY

Optimas' manufacturing plants are powered by 100% renewable energy.



SUPPLY CHAIN STABILITY

Reduce risk, improve lead times and your sustainability through onshoring & nearshoring.



WORLD CLASS ENGINEERING

Our expert application & quality engineers proactively find ways to save money, improve product performance and mitigate risks.

**State of the art Fastener Manufacturing
Cold-Forging Specialists
World Class Production**



COST EFFECTIVE METHODS OF MANUFACTURING

Capacity and expertise to manufacture high volume and low waste.



MINIMAL MATERIAL WASTE

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




FAST PRODUCTION THROUGHOUT

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




HIGHLY REPEATABLE PROCESSES

Resulting in high quality, faster production and little to no finishing work.



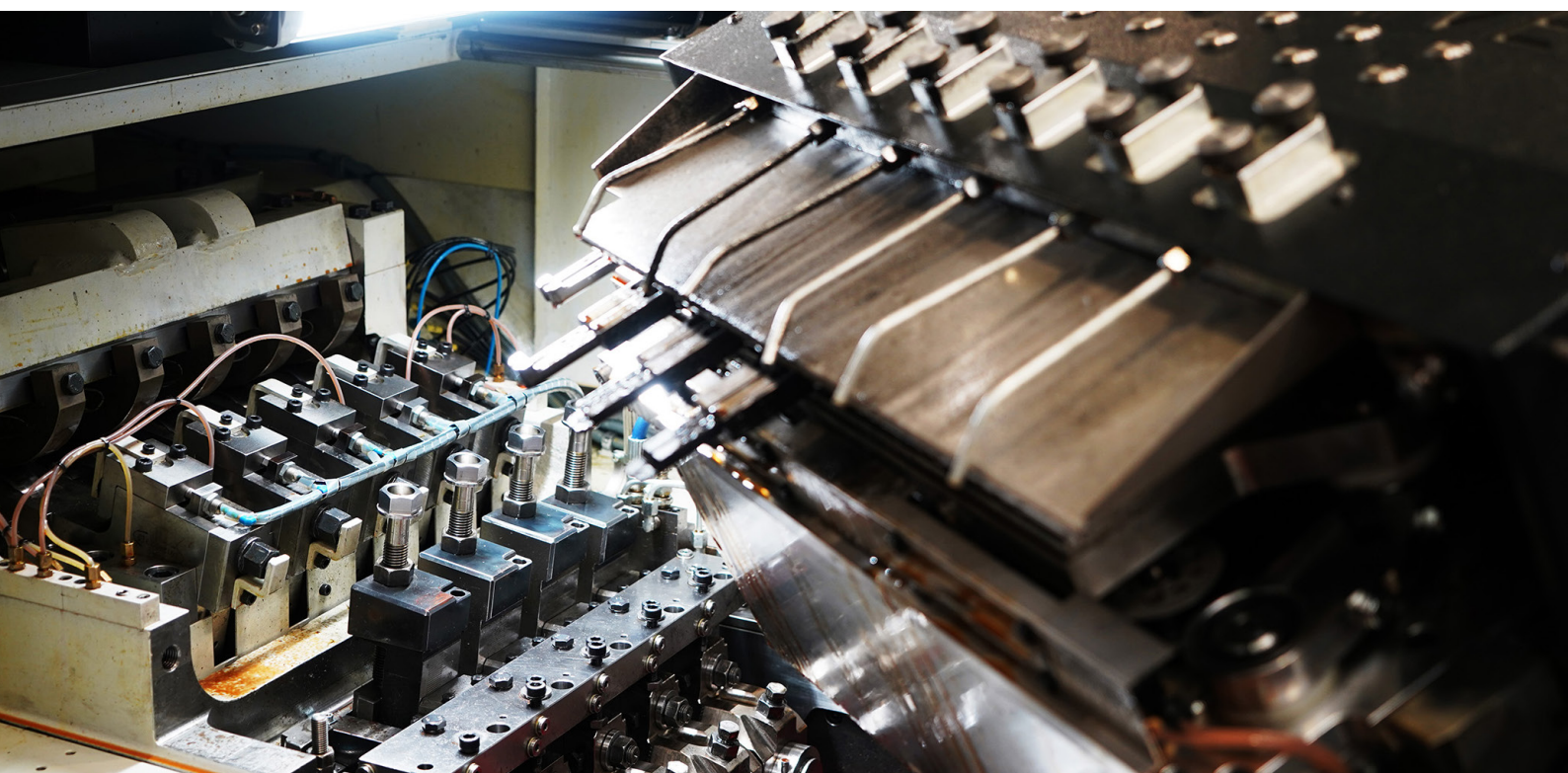
IN HOUSE MANUFACTURING SOLUTIONS



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

STATE OF THE ART FACILITIES

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





**WORLD CLASS
PRODUCTION**

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



MANUFACTURING CAPABILITIES



COLD FORMING

Lengths 6 - 175mm. Diameters 2 - 18mm



BAR TURNING

Max Length 140mm. Diameters 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®



INDUSTRIAL 3D PRINTING

Additive **manufacturing**
for rapid **prototyping** and
end-use production **parts**



Optimas provides industrial-grade additive manufacturing solutions for low-volume production parts and custom prototyping—in as fast as a day!



Our digital manufacturing capabilities lead to more responsive supply chains with on-demand, cost efficient production of parts that shorten the product lifecycle and accelerate speed to market.



Optimas' integrated engineering, rapid prototyping and quality testing capabilities serve a broad range of industries with 3D solutions that deliver innovation, customisation, and performance.

VALUE ADDED BENEFITS

- Accelerated speed to market
- Reduced tooling, material and labour cost
- Design freedom and optimisation
- Increased competitiveness and customer value
- Superior quality
- Supply chain security
- Sustainability, less environmental impact
- Integrated, engineering cold form manufacturing and quality services available
- ISO 9001 and TS certified



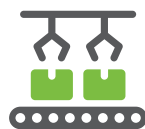
RAPID PROTOTYPING

Produce fully functional prototypes, complete with moving parts, as well as all-in-one assemblies.



PRODUCTION PARTS

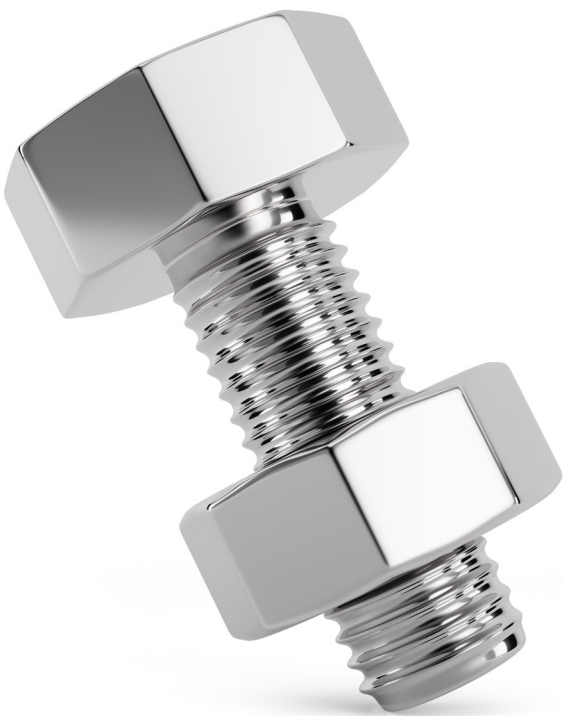
Build accurate and consistent, low volume production parts to get your product into the hands of customers faster and more efficiently.



MANUFACTURING TOOLING

Maintain high-quality production and efficiency with custom manufacturing aids like jigs and fixtures that streamline processes and improve quality and consistency.

FASTENERS



Fasteners are an **essential** and **critical** part in almost **every** manufactured product, in every **industry sector**

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



FASTENER STYLES & FINISHES

There are **hundreds of thousands** of fastener **styles & finishes** - here are six **key areas** for consideration:

SIZE

Smaller fasteners can provide opportunities for weight reduction. By decreasing the body diameter of fasteners, the volume of material needed for production is reduced, which can lead to significant weight savings.

INSULATION

With greater electrification comes a greater need for insulation. Thermal insulation should be considered part of the initial electrical design due to the enormous heat generation inside battery cells.

GEOMETRY

Geometry matters because a shallower head can enable manufacturers to save weight per fastener, leading to significant efficiency gains in aerospace, automotive and other high-end industries.

MATERIALS

Much like size and geometry considerations, material selection is key. Using materials like aluminium, magnesium and titanium within the fastener selection process can help reduce weight and increase your distances.

NON-FERROUS

Improve the efficiency of your electrified vehicle or machinery by incorporating non-ferrous, anti-magnetic fasteners that do not interrupt electric current.

ASSORTMENT & AVAILABILITY

It can take up to 56 weeks to get a fastener from one end of the supply chain to the other. EV 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.

STANDARD FASTENER SOLUTIONS

Design it. **Source** it. **Make** it.

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

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



QUALITY & ACCREDITATIONS

Products **designed and manufactured** by Optimas meet increasingly **strict mechanical performance criteria**



- 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





OUR NUMBERS TELL THE STORY



1,400
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



WHERE WE ARE



CERTIFICATIONS

ISO Certified ISO 14001
Environmental Management.

ISO 14001 Wood Dale, IL, USA,
Droitwich Spa, UK, Gloucester,
UK, Bredbury, UK, Suzhou, China,
Sarreguemines, France.

100% of our UK employees work
within ISO 14001-certified facilities.



ENERGY

UK & France using nuclear, solar
and wind electricity, with both
regions representing 20% green
energy use of Optimas' global
energy consumption.

Early 2023 Wood Dale, USA, moved
onto green energy tariff, meaning
Optimas has achieved global green
energy usage of over 50% before
even starting an official roadmap.



RECYCLING

89% waste recycling (1,087 tons
generated).

Up to 92% by volume recycled
scrap metal is used in our raw
materials.



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.

By investing in innovation and a greener future for generations, Optimas is setting the standard.



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



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



100% of additive manufacturing waste is recycled.



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

Powered by
renewable
energy



Promoting manufacturing sustainability



World Class
Manufacturing &
Distributioun



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