



part of the *Trifast plc* Group

Holding the world together

www.trfastenings.com





Holding the world together

TR Fastenings Ltd is part of Trifast plc and is an international specialist in the design, engineering, manufacture and distribution of industrial and Cat C fastenings.

TR has 34 locations within the UK, Asia, Europe and the USA including, 7 high volume sites manufacturing cold forged fasteners and special parts. TR supplies to over 5000 customers in c.75 countries worldwide.



34

Global locations

18

Countries

7

Manufacturing sites

3

Technical & Innovation Centres



Global Presence

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Our Culture & Values

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Our Culture Pillars



Being inclusive but pragmatic and empowering



A 'Can Do' attitude, working in an agile manner to deliver practical results



Engaging with employees regularly and meaningfully



Providing development opportunities



Listening



Working together as a professional global team



Communicating openly, positively and regularly



Investing in the future - people/product/property



Saying thank you, being thoughtful and kind to each other



Celebrating success

Our Values



Trusted

The organisation and its employees need to trust each other - colleagues need to trust each other - the organisation needs to instil trust in its stakeholders



Reliable

We do what we say we will do when we say we will do it - both inside and outside of our organisation



Inclusive

We work together as a team and respect each other



Fair

We are thoughtful of every individual and consistent in how we interact



Ethical

We are mindful of our impact on others and the environment and demonstrate integrity in all our actions



Excellent

We add value and quality to everything we do for our customers and other stakeholders



We supply components to over 5,000 companies globally across a wide range of industries



Light vehicle



Heavy vehicle



Health & Home



Energy, Tech & Infrastructure



General industrial



Distributors





A Balanced Sector Spread

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27%

Light vehicle



4%

Heavy vehicle



25%

Health & Home



16%

Energy, Tech & Infrastructure



12%

General industrial



16%

Distributors





Total Cost of Ownership

As a full service provider we are able to assist in reducing the total cost of ownership for companies by working with them from early engineering and design stage, right through to specification, manufacturing, quality and logistics.

We adopt a three-tier approach that includes local, national and international teams. TR understands that a global solution creates some challenges; including communication, culture and security.

TR's global delivery model has been designed from the ground up to address these challenges. Most importantly, our global delivery operations provide customers with both the quality and economic advantages that they require.

Manufacturing

7 manufacturing facilities with an annual output of approximately 8 billion components. (ISO 9001, ISO 14001, IATF 16949).



Supplier

A global network of AVL approved suppliers enabling an international source of supply.



Design & Engineering

A team of specialists on hand to help, from developing new products from concept to VA/VE support for the life of the product. Early involvement is key to success.



Logistics

Tailored services to meet exact customer requirements ensuring they receive a Lean Supply Chain Solution.



Quality

Meeting the customer's quality needs and specifications as their enhanced demands increase.



Distributor

A network of valued distributors in the UK and Europe actively selling our proprietary products to end users.





Dedicated to producing high volume parts specifically to customer drawings

Our strategic partnerships with other major manufacturers allow us to offer a wide range of special parts:

- Cold headed products
- Complex multi stage forging
- Special parts to customer drawing
- Turned and machined parts

Our manufacturing network spans two continents and represents approximately a third of the Group's business



We can ensure parts are made in the right part of the world to meet your quality, volumes, cost and delivery needs

- 7 factories
- In-house treatment facilities
- Automated optical sorting facilities
- Specialised packing capability

Annual output approx 8 billion parts



Product Range

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TR Global Engineering

TR's engineering and technical team use their experience and skills to solve fastener challenges. This is done through using engineered designs to deliver better performance for manufacture, assembly, application and recyclability.

Our team are entrenched in the latest technological trends and developments. This enables them to deliver solutions to immediate technical challenges, and to play a part in the development of future fastening solutions.

Creating Value

- Early design involvement
 - Product function and performance
 - Assembly method
- VAVE and cost analysis
- Product evaluation
- Line walks and tear-downs



Solutions & Innovation

- Early involvement in design
- Research and development in product and processes
- Inclusive problem solving
- CAD library and CAD services



Manufacturing Engineering

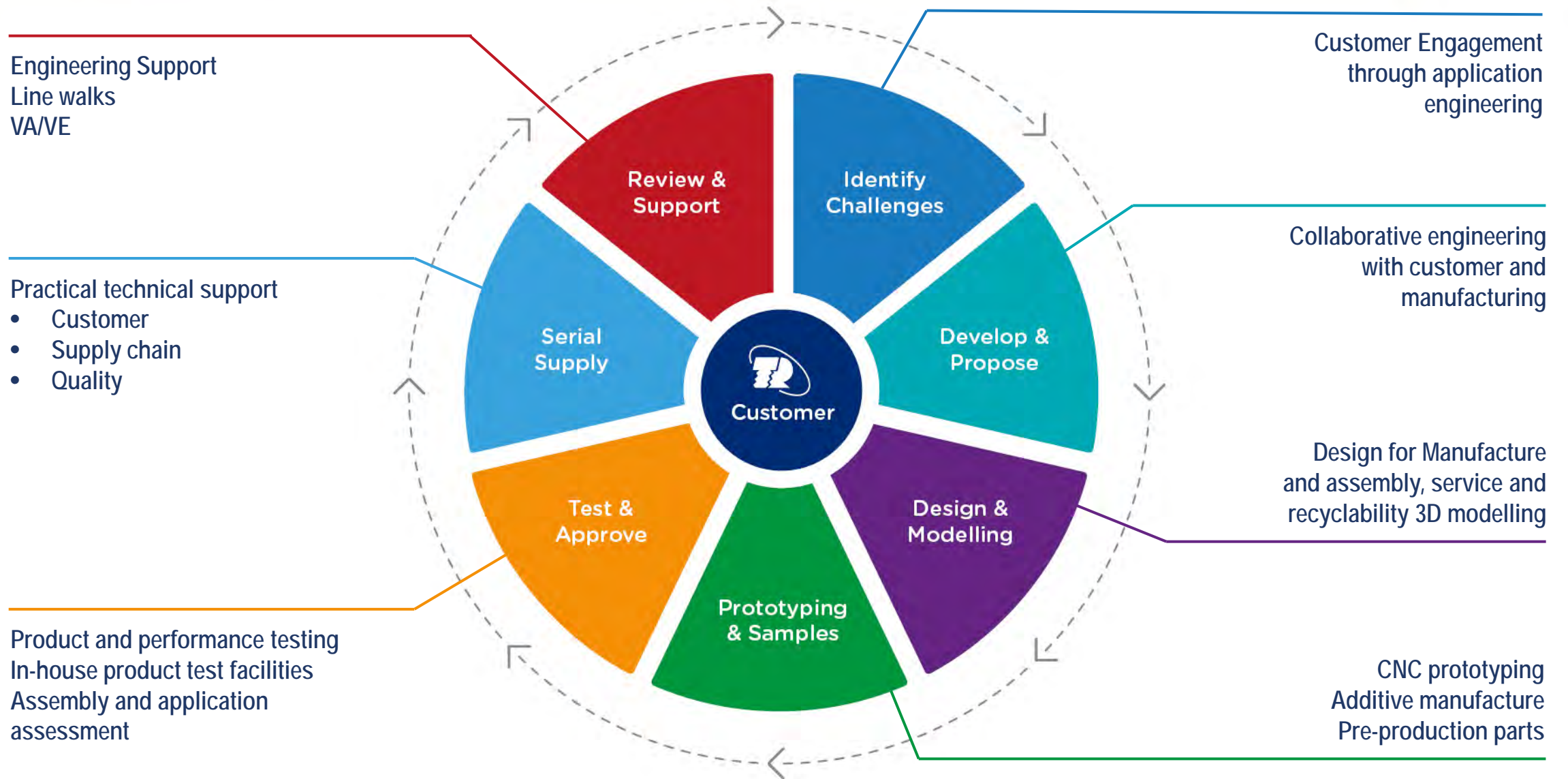
- Design for Manufacture (DfM), assembly and recyclability
- Prototyping, additive engineering
- Optimise manufacturing processes
- Multidisciplined collaboration



Global Support

- Technical & Innovation Centres
- Knowledge transfer
- Reverse engineering
- Material, coatings and process know-how
- Line-side or virtual support







Our aim is to provide a level of product quality that prevents the production of non-conforming fasteners, with the objective of approaching zero defects for specified characteristics.

Customer specific quality standards can also be provided as required. The means of achieving these higher quality standards include: electronic PPAP, supplier development, strategic sourcing as well as camera, laser and roller sorting.



Quality Management System



Quality Management System



Quality Management System
UK only



Environmental Standards



Advanced Product Quality Planning

To ensure all quality requirements are met for the parts we supply, TR adopts an APQP process for all automotive customers which can be utilised on request for any sector.



Request for quote received from customer



RFQ entered on to APQP portal



Feasibility review



Source product from Approved Vendor List



Review supplier quote



Commercial review



Quote customer



Receive order



Contract review



PPAP & Samples



Customer approval



Bulk production



Start of customer production



www.trfastenings.com



6.3 million
page views 2020



1.2 million
sessions 2020



+700
installation
animations and
interactive models



Downloadable data sheets



In-depth knowledge base



140k
CAD model downloads 2020



50,000
products

Dynamically generated
2D drawings



+10,000
3D/2D models



Product configurator
available on our range of locks and
locking systems



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Thank you

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