



KENDA

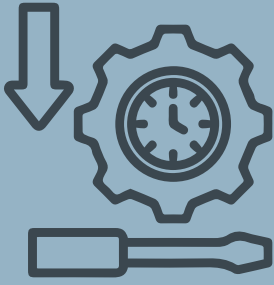
MANUFACTURING GB

**We turn challenges
into maintenance-
free tire solutions**



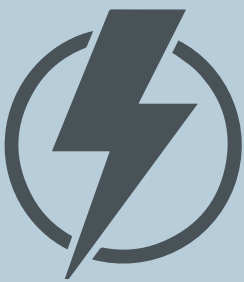


Achieve your goals



Less maintenance and downtime

- > Puncture proof, rust-free materials
- > Up to four times more durability than a pneumatic tire
- > High-level resistance to cuts, chemicals and wear from UV rays and ozone gas



Better application performance

- > Excellent shock absorption and ride comfort
- > Same handling as a pneumatic tire solution
- > Light weight and low rolling resistance for increased energy efficiency



More sustainability

- > Sourced, manufactured and distributed in Europe
- > Shorter transportation times and distances
- > Recyclable and partly made from recycled and reprocessed materials



A perfect fit

- > Tailored to your application and its use
- > Customisable to fit your market and brand
- > R&D collaboration and value engineering



Our capabilities



Manufacturing

Our factory, located in the UK, produces over 1 million wheels per year. We continuously optimise our processes to ensure maximum efficiency and continue our impressive safety record. Our European manufacturing set-up is supported by KENDA's eight tire factories globally.



Design

We use state of the art design systems to conceptualise tailored solutions based on your criteria and needs. Each component of your solution is designed in-house and based on a deep understanding of your application and its use.



Reaction injection moulding

We use a patented processes of reaction injection moulding to produce consistent, high-value products. Our tires are produced from a wide range of polyurethane materials in both solid and cellular form.



Engineering

Our expertise in value engineering allows us to optimize designs and materials for the best possible outcomes. Our solutions undergo rigorous laboratory and practical tests to guarantee optimal quality and safety.



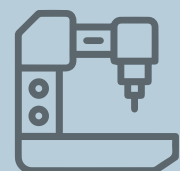
Research and Development

Our in-house R&D team partners with your R&D team to combine our materials, manufacturing and compliance expertise with your market and application knowledge, creating more value through true collaboration.



Injection Moulding

We process a vast range of thermoplastics materials sourced in Europe. We blend and formulate the materials to suit your individual application. To minimise the ecological footprint of our solutions, a third of our materials are sourced from reprocessed feed-stock.



Tooling

We design and produce our own tooling in house to ensure that precision and consistency are built into the process. Tooling tailored to the exact requirements of our manufacturing process, means we can meet project timelines and quality expectations.

A photograph of a manufacturing process. In the foreground, a conveyor belt carries a series of bright orange, circular plastic components. These components have a complex, ribbed design with several vertical slots and a small circular hole on the side. The components are arranged in a neat line, receding into the distance. In the background, a blurred red object, possibly a tool or part, is visible against a grey industrial backdrop. The lighting is bright, highlighting the texture and color of the plastic parts.

About KENDA Manufacturing GB



All our puncture proof products are manufactured at our factory in Crewe, England. A strong culture of innovation and in-house R&D, tooling and mould manufacturing has made us one of Europe's leading polymer wheel producers and the largest manufacturer of puncture proof tires.

Our specialised team of 20+ employees produce more than 1 million wheels per year and do joint development projects with major players in the mobility sector.

Our factory is run on 100 % renewable energy and holds an impressive safety record, and all our products are fully REACH compliant, meeting European standards and legislation. This helps to protect our worker's health and the environment by minimising and eliminating the use of potentially harmful chemicals.

KENDA Europe is a member of ITMA, EUWA and ETRTO.



An aerial photograph of a vineyard showing a complex white irrigation network overlaid on the rows of grapevines. Two grey sensor units are visible, one in the upper left and one in the lower right, connected to the network. The text "Some of our current projects" is centered in white.

Some of our current projects

AIGEN

AIGEN is an American company empowering farmers with the Element robot: a new approach to eliminating herbicide-resistant weeds and enhancing crop yields without using chemicals. The Element is driven by AI and powered entirely by renewable energy.

We are developing a tire solution that

- > Has excellent traction in field terrain
- > Is lightweight and narrow for energy efficiency and minimal soil compaction
- > Is maintenance free to operate without downtime and human intervention
- > Allows easy sideways movement to decrease resistance when skid steering

AIGEN





CENTAUR ROBOTICS

Centaur Robotics is a British company revolutionizing mobility with The Centaur; a self-balancing chair designed to give people with limited mobility greater freedom.

We are developing a tire solution that

- > Is lightweight with low rolling resistance to maximize battery life between charges
- > Combines low maintenance and high stability to ensure freedom for the user
- > Is non-marking and emits low noise to be suitable for indoor use
- > Has excellent shock absorption to ensure good ride comfort and safety



KENDA

One of our own current development projects is for the front cutter decks of zero turn mowers. We are engineering a tire and wheel solution that combines the comfort and flexibility of a pneumatic tire with the puncture-proof reliability of a semi-pneumatic tire.

We are developing a tire solution that

- > Is robust enough to withstand the significant stress and impact of mowing operations
- > Has excellent shock absorption to protect the machinery and heighten driving comfort
- > Has the dynamic flexibility required for mowing close to edges, objects and in uneven terrain





Requirements for project success



Application requirements

- > A free rolling or driven wheel
- > Dynamic loads at speeds up to 20km/h
- > Almost any static load can be accommodated

Project requirements

- > A clear strategy to guide the design and development
- > Ability and readiness to invest in and join a development program
- > Internal resources to do the project (technical, marketing, sales, finance etc.)
- > A need for long-term solutions rather than quick fixes
- > Ability to do field testing in the development phase

Want to reduce your operational costs?

**Wish to minimize the environmental
impact of your application?**

**Got a new mobility idea that needs an
innovative way to roll?**



[Click here](#) for more information about how we can help you release your potential.



[Click here](#) to go directly to our contact form.



About KENDA

KENDA was founded in Taiwan in 1962 and is now one of the world's leading tire manufacturers operating across Asia, the US and Europe. Powered by a passion for mobility, we design and manufacture tires for your journey. We continuously work to ensure progression and to keep the world moving on tires and wheels that are fit for life. With more than 14.000 employees, 8 tire factories, 6 wheel factories, 4 technical centres and a global network of operation and distribution sites, we are proud to be a reliable partner for our customers.



specialty.kendaeurope.com



[KENDA Tires Europe](#)