



IMPSPORT

WORLD-CLASS RACE SUITS DESIGNED & MADE IN THE UK

IMPSPORT.COM





WELCOME TO IMPSPORT

Established in the 1970's, Impsport is the UK-based, world renowned provider of performance cycling apparel for all levels of participation including the pinnacle of elite competition.

Impsport have manufactured the racesuits used by Tour De France Champions, Commonwealth Games victors, World Champions and medal winners across all cycling disciplines at the highest international level.

Our new range of performance race suits brings together the knowledge we have gained by working with some of the greatest athletes and industry leading independent research and design facilities.

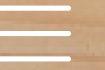


RACE SUIT DESIGN BRIEF

ENSURE RIDERS HAVE THE FASTEST POSSIBLE GARMENTS FOR THEIR CHOSEN EVENT - INTEGRATING DESIGN, FABRIC TECHNOLOGY, INNOVATION AND ENGINEERING TO CREATE THE FASTEST SUITS AVAILABLE IN THE UK CUSTOM MARKET

- Utilising the best materials and technologies sourced from around the world.
- Investing in research and technology to stay at the forefront of world sport.
- Produce products of exceptional quality and fit.
- Fly the flag for British design and innovation.
- Provide cost effective solutions for all levels of elite sport.





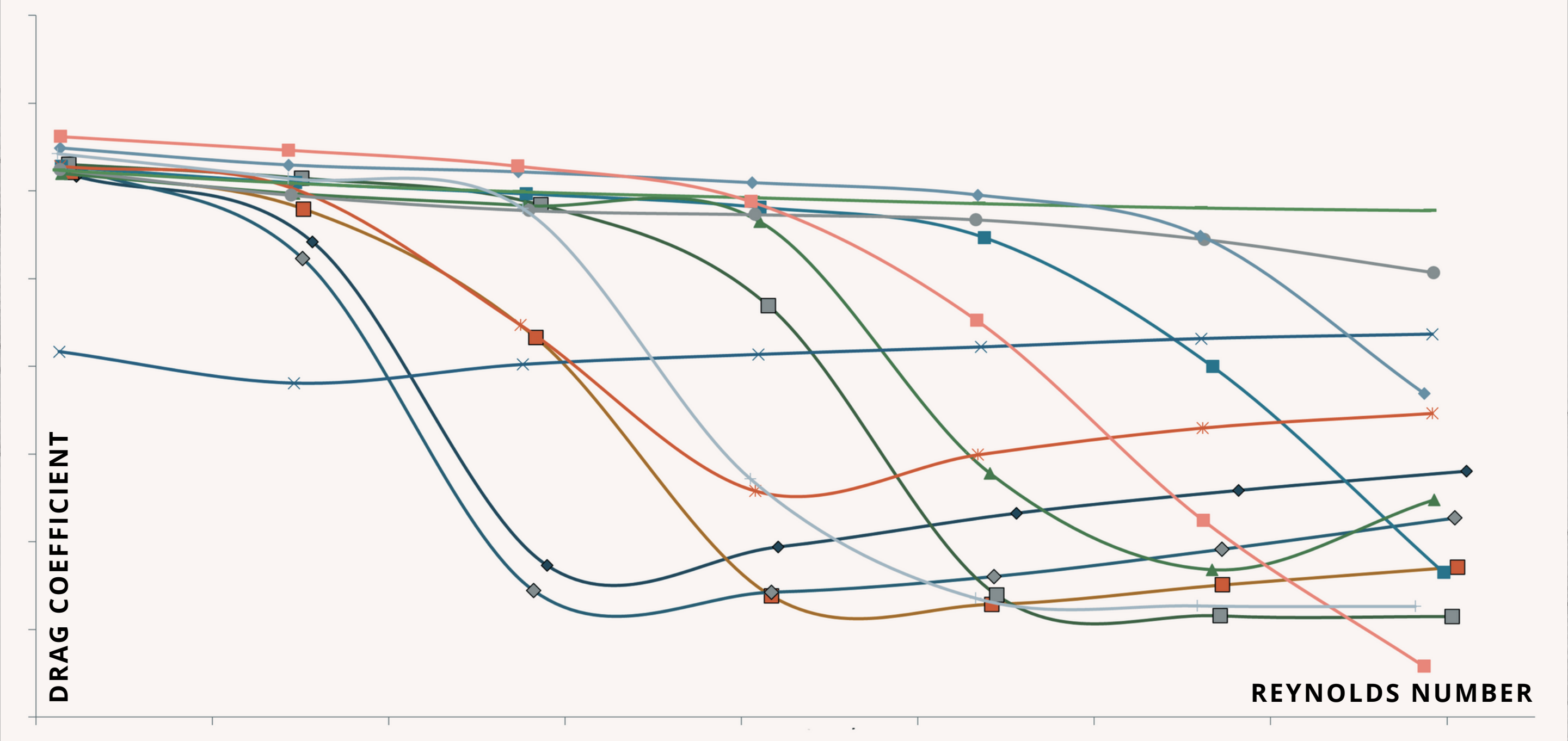
TEAM WARD WHEELZ - BRITISH NATIONAL TEAM PURSUIT CHAMPIONSHIPS



WIND TUNNEL TESTING

R&D TESTING FABRICS

The Reynolds Number describes the flow pattern of the air. Lower is faster, great, but different fabrics have optimal performances at different velocities including the acceleration zones (e.g. standing starts) and at maximum speed. Selecting the best fabric for each panel of the suit, for the required acceleration and different event characteristics, is key to building a fast race suit.



WIND TUNNEL TESTING

DROPPING DRAG & SAVING WATTS

By reducing the drag of the suit the rider can increase speed whilst still putting in the same effort - drag dropped is power (Watts) saved. To better understand the impact of drag reduction we first establish a baseline to measure against and then change conditions to optimise the setup. This is done through stages; firstly testing fabrics around a cylinder to establish their performance at different speed points, then construction of the garment patterns and testing riders in the suits, and finally real world conditions on the track and road.



SMALL FEATURES = BIG GAINS

The fabrics have been assessed and selected for our race suit ranges - now we can optimise the performance of the suit by looking at the overall aerodynamic characteristics, enhancing each element to the max (whilst still staying within the rules):

- Reduce drag with trip seams in perfect aero positions.
- Maximise total aerodynamic gains with air stability enhancements.
- Improve garment shape with custom fitting to ensure perfect airflow for the individual.
- Unique stretch zips with flex technology for a better garment hold whilst increasing comfort too.
- Wind tunnel and real-world testing at every step to turn incremental advantage into world beating race suits.





CUSTOM FIT SERVICE

WANT TO GO FASTER?

The performance of a race suit is considerably improved when it is custom fitted to the rider - creating a pattern which perfectly matches unique proportions. Our team of skilled technicians can even custom fit our kit remotely for a more cost-effective solution. This includes the latest in overshoe technology - the Impsport T3 Aero Overshoe, which can be tailored to fully meet UCI specifications and has shown real-world savings of 10+ Watts!

10+ WATTS





T3.2 RACE SUIT UPRIGHT POSITION

STABILITY

Minimal panel construction technology for a reduction in seams, enhancing aerodynamic stability, comfort and speed through the air.

SPRINT

This garment is specifically patterned for the upright position of sprint events to maximise gains in these disciplines.

SPEED

Single or double integrated race number pockets included as standard providing optimum streamline shape whilst protecting your suit from pin damage.





T3.1 TT SUIT LOW PRO POSITION



TIME TRIAL

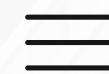
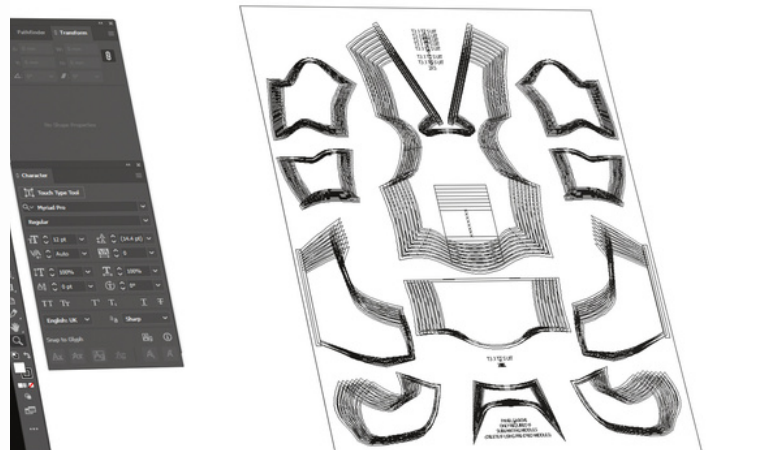
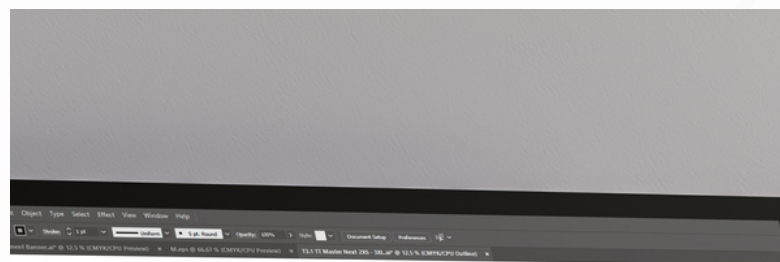
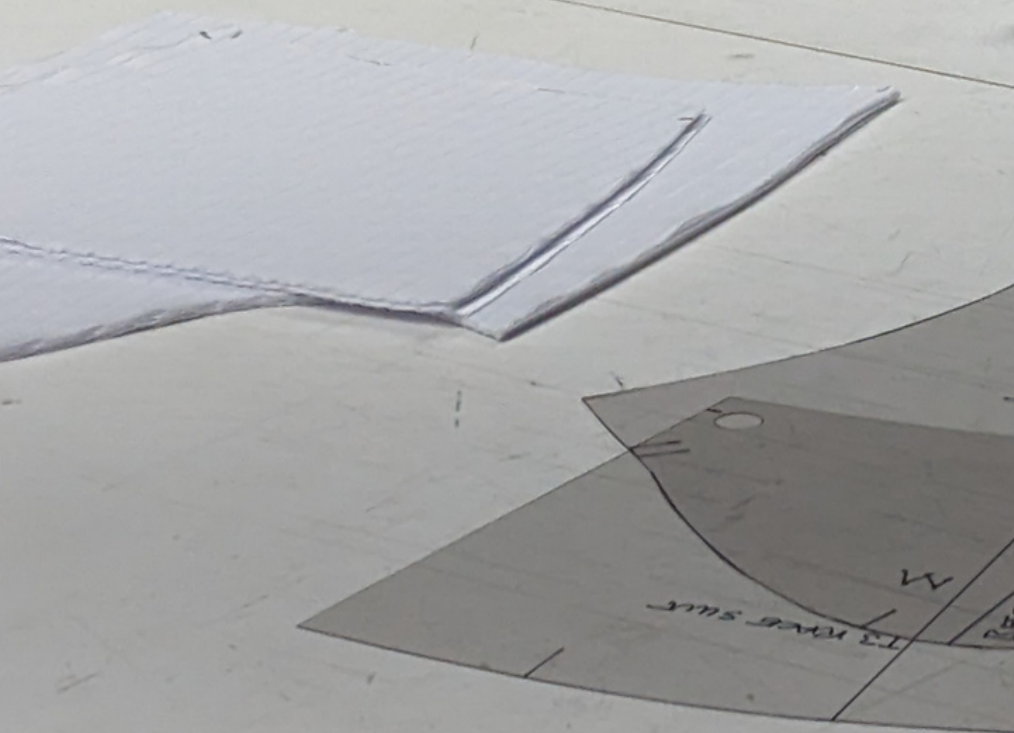
Specifically patterned for the low-pro position of TT and pursuit events to maximise gains in these disciplines.

TAILORED

The Impsport T3.1 TT Suit can be tailored to your individual requirements for an enhanced fit, lowering the CdA (drag coefficient) and increasing Watt savings.

TECH

The fabrics utilised have been especially selected for their unique streamline properties and benefit from air flow analytics during garment production.



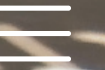
IMPSPORT PRODUCTION PROCESS

FASTEST SUIT EVER!

As you'll know there are a lot of great looking race suits on the market, all claiming to be the fastest suit ever. This is an unrealistic claim. No single garment can be ideally suited to all body shapes, riding positions and speeds. But, we do have the figures and race proven results to show our suits are *exceptionally* fast on a wide range of riders across different events, assisted by our custom fitting service which makes a great suit perform even better.

COST EFFECTIVE SOLUTIONS

The Impsport team of in-house fitters, designers and garment technicians work together to gain every ounce of performance possible. All parts of the design, fitting and production process are carried out at our Lincoln base to ensure quality throughout - at a price that won't make your eyes water.



PARTNERSHIPS

TOM WARD - WARD WHEELZ

" I was the test rider for the Impsport T3 Suit performance analytics which involved testing a range of well known brands and models at 10, 15 and 20 mph (36, 54, 72 kph) respectively.

It was clear that the Impsport T3.2 Racesuit and T3.1 TT Suit were the two fastest suits across all speeds tested. Upon further analysing the data, it showed that the suit had drastically lowered my overall CdA.

I was keen to get one of these suits for myself! "



COMMERCIAL PARTNERS - EIS

Impsport have the privilege of working with the most talented and motivated riders of the past 40+ years. We develop and manufacture custom cycling race suits for EIS (English Institute of Sport), who have themselves produced kit for the national governing body of British cycling. You've probably seen Impsport kit in lots of (dis)guises!



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