



PHOS

SUSTAINABLE
UK MANUFACTURE



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UK MANUFACTURERS



Phos Ltd.

Unit 2, The IO Centre, 2 Hearle Way,
Hatfield, Hertfordshire, AL10 9EW, UK.



Electronic Manufacturer

Hertfordshire, UK.



Metalwork Manufacturer

Buckinghamshire, UK.



LED Chip & Lens Supplier

Hertfordshire, UK.



Spring Manufacturer

Essex, UK.



Finishing Anodiser

Essex, UK.



Finishing Powder Coater

Hertfordshire, UK.



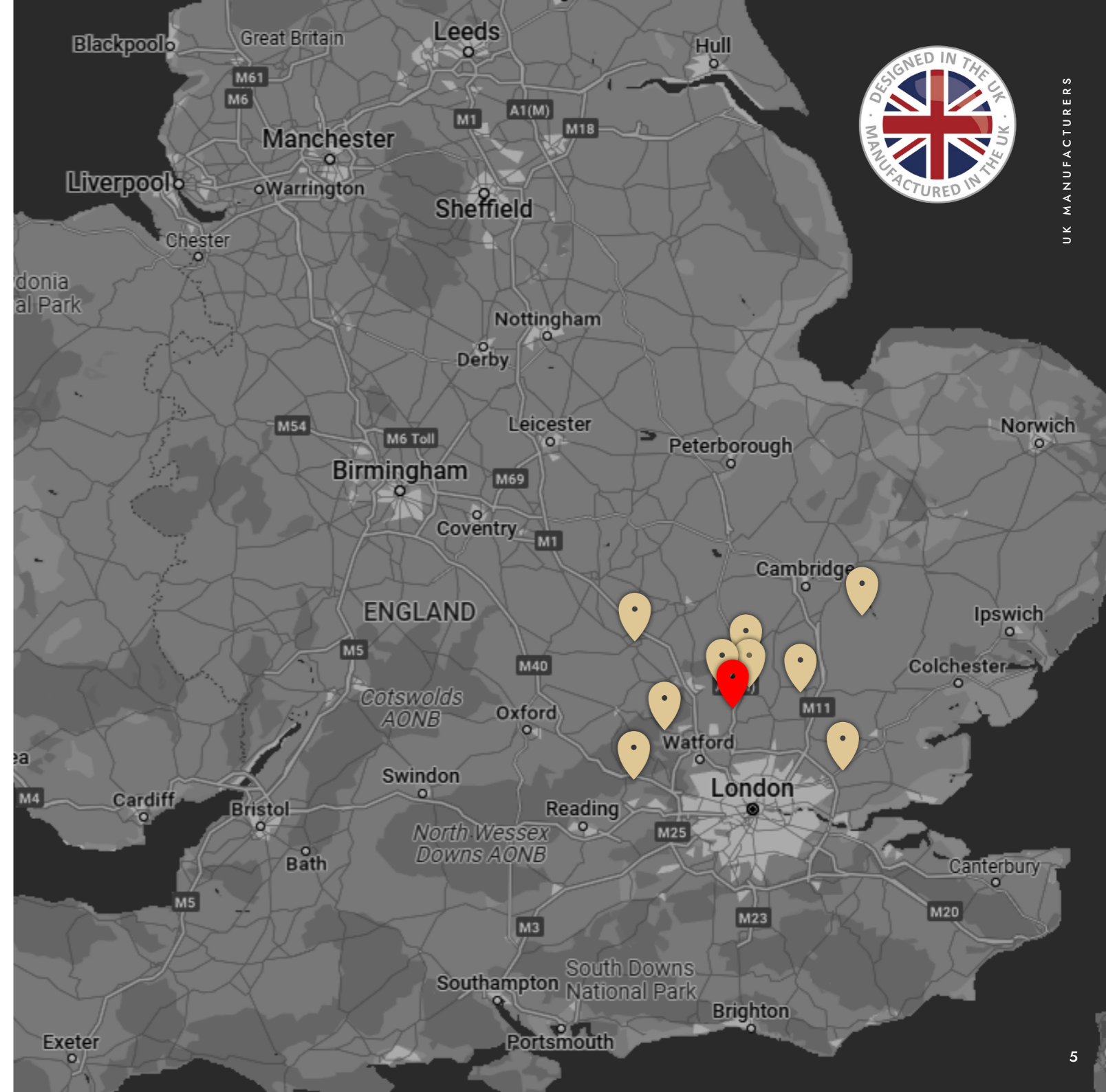
Finishing Plater

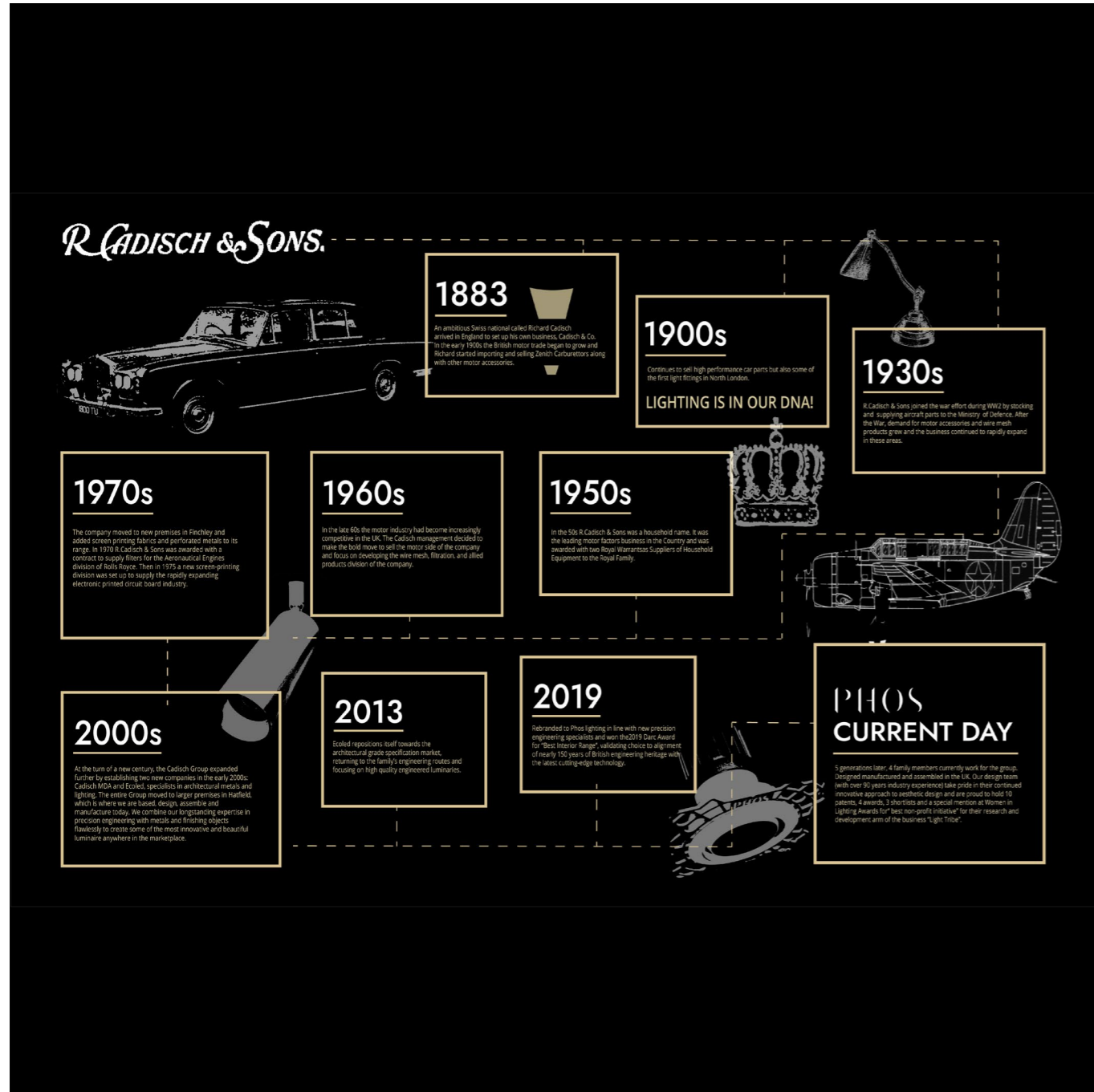
Hertfordshire, UK.



Laser Cutters

Cambridgeshire, UK.





HERITAGE

Phos is an evolution of over 135 years of technical expertise, forward-thinking creativity and precision engineering. We are supported by a local community of suppliers of services, components and products, thus reducing our carbon footprint and embracing the circular economy.

Our modern world must transition to an economy in which we can repair and reuse products rather than replace them. The reusing of materials leads to less waste and a reduction in extraction of raw materials. This has additional benefits in savings of energy, water and biodiversity. Recycling should become the final resort during a products life cycle, as it requires collection, processing and degradation of material quality as well as energy consumption.

As an alternative to recycling we also offer a repair service which is detailed on page 24. When recycling becomes inevitable we also outline the products used during our production process and the options that will then assist the circular economy.

RoHS

Restriction of
Hazardous substance

RED

Restriction of harmful materials
to living creatures

BCORP

Verification of social &
environmental performance

WEEE

Waste Electrical and Electronic
Equipment recycling

TM66

Adopting the Circular Economy in
the Lighting Industry

Community Impact

Sponsoring and collaborating
with local organisations e.g.
Hertfordshire University

ACCREDITATION
& CERTIFICATION

Flexitime Hours

Allowing employees to alter
workday start and finish times

REACH

Restriction of Chemicals

Fair Living Wage

Allowing employees to afford a
decent standard of living

Ecologi

Sponsoring carbon offsetting

Packaging

Recycling and
Environmentally friendly

Surfers Against Sewage

Marine conservation charity working
with communities to protect oceans,
beaches and marine life

12 Worldwide Patents

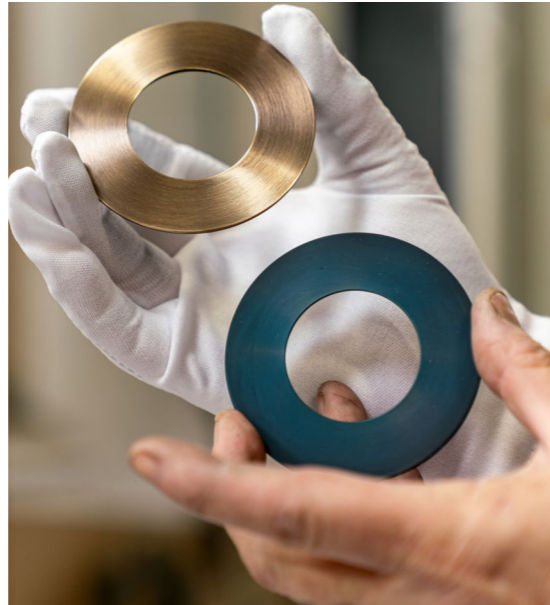
Product intellectual property
protection

DESIGN & MANUFACTURE



Material Recycling

The majority of our products are ostensibly produced using aluminium within the design. Whilst the processing of this does require an energy input, aluminium is extremely recyclable. Re-smelting aluminium from recycled metal requires 5% of the energy originally used to produce aluminium. Aluminium is in this respect an 'energy bank' and the energy used to produce it does not disappear – it is effectively captured and stored. Aluminium can be infinitely recycled without losing any of its qualities. About 70% of all aluminium ever produced is still in use.



Plastics & Rubber Consumption

The only plastics we use within our manufacturing process are cables, driver cases and certain lenses, which can be fully recycled but constitute less than 1% by weight of our production totals. We do not use any plastic packaging. We use very small rubber components within our production process, all of which can be fully recycled.



Reducing Transportation

A large number of our raw materials and components are produced within 20 miles of our production facility in Hatfield. We support other local businesses thus reducing delivery times, maintaining better control of our manufacturing process and with only local relatively low transport carbon associated with this part of our operation.

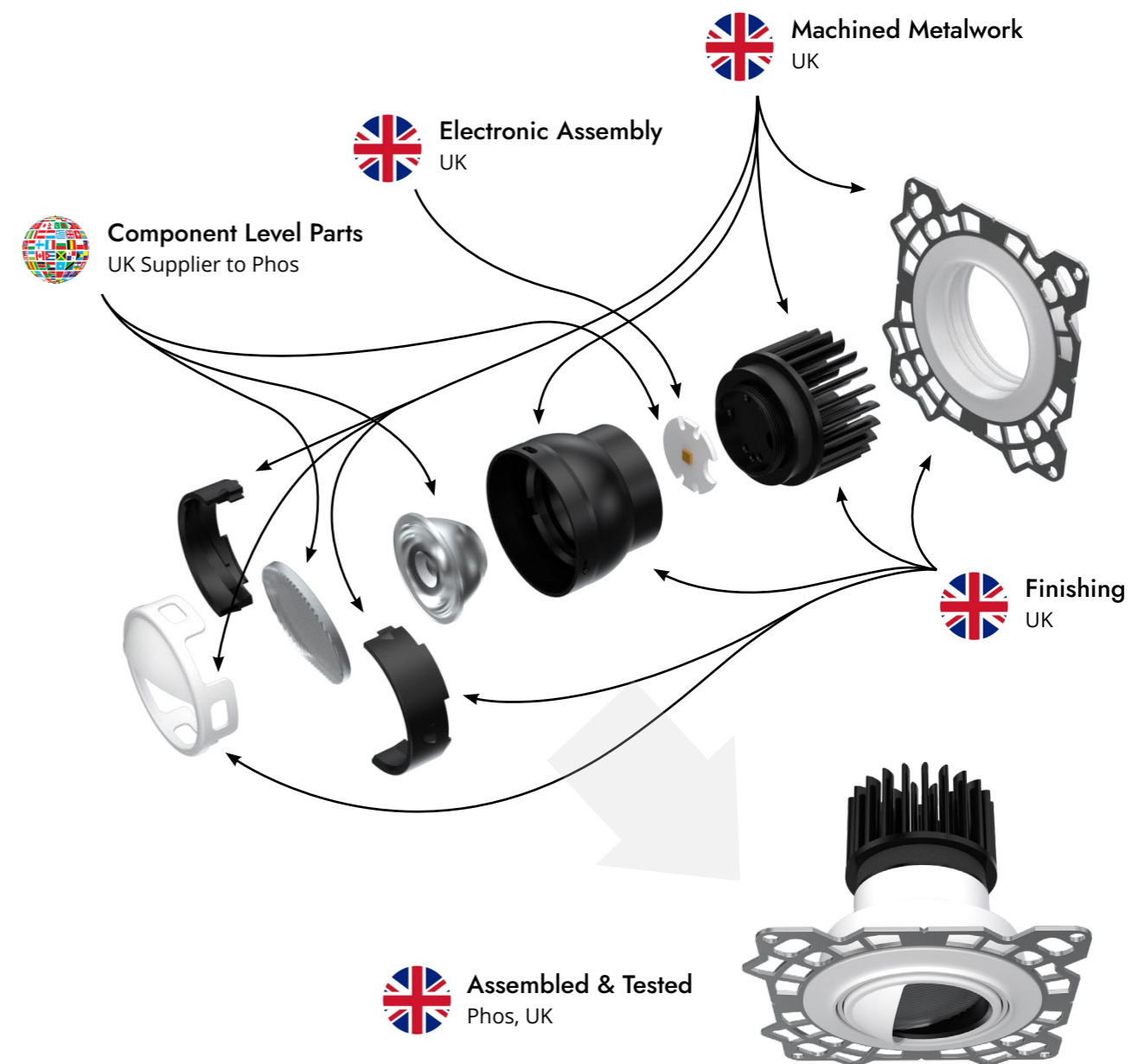
Locally Sourced

Glass is made from readily available domestic materials, such as sand, soda ash, limestone, and "cullet," the industry term for furnace-ready recycled glass. Glass is used in most of our products but again can be fully recycled.



FITTING MANUFACTURE - EXAMPLE 1

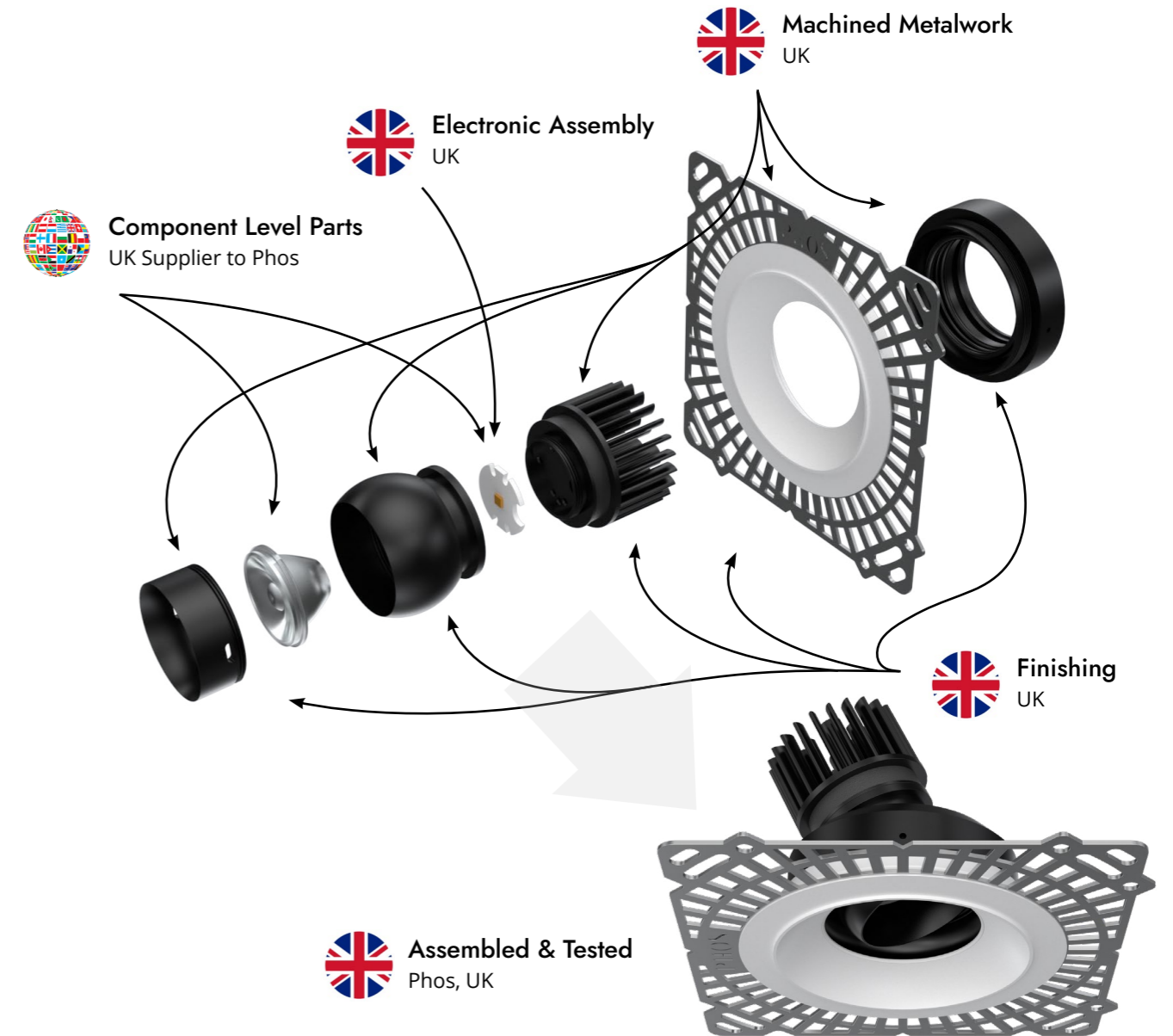
Product - Eyeconic Trimless Wallwash Adjustable





FITTING MANUFACTURE - EXAMPLE 2

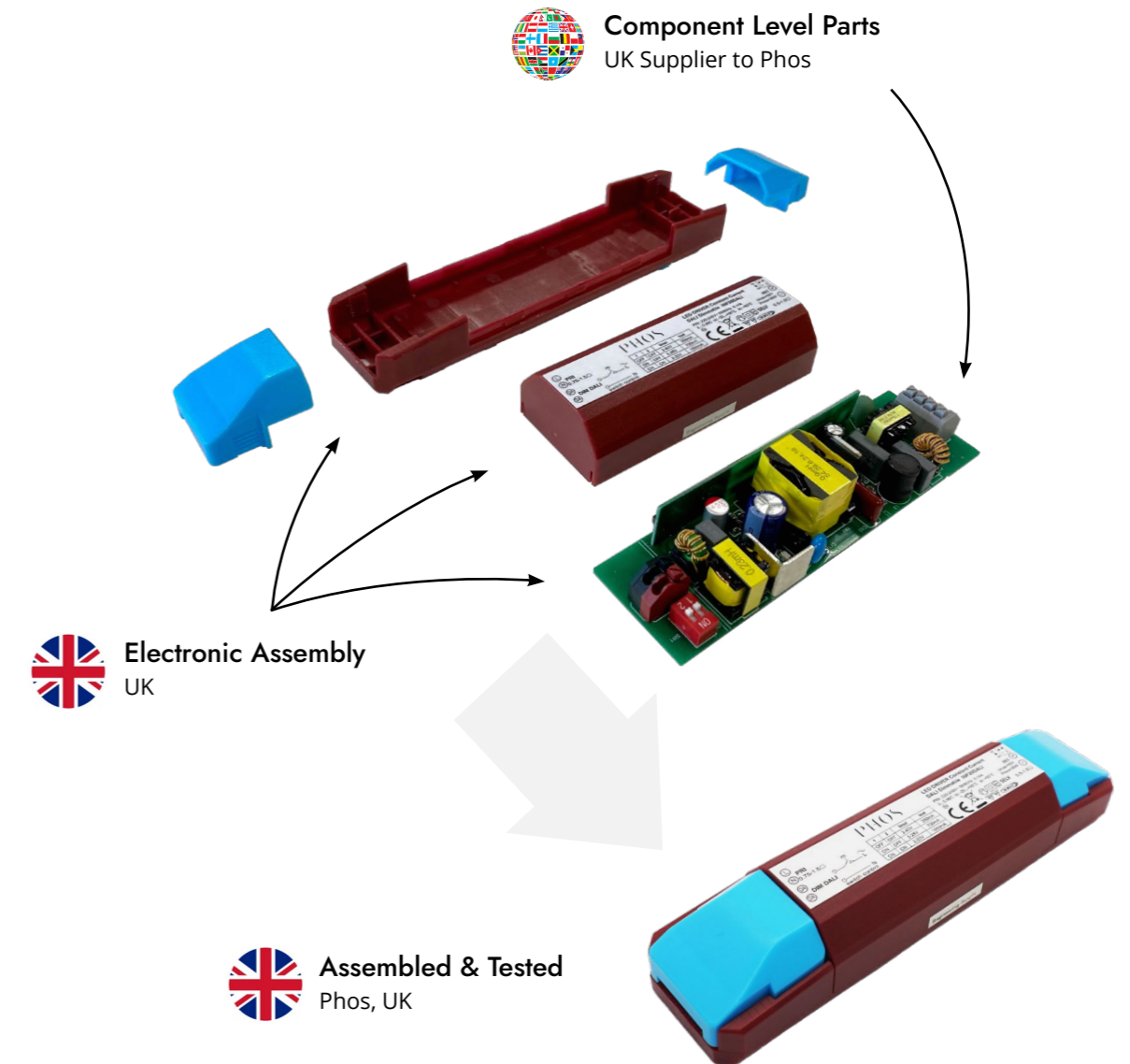
Product - Eclipse Trimless Adjustable

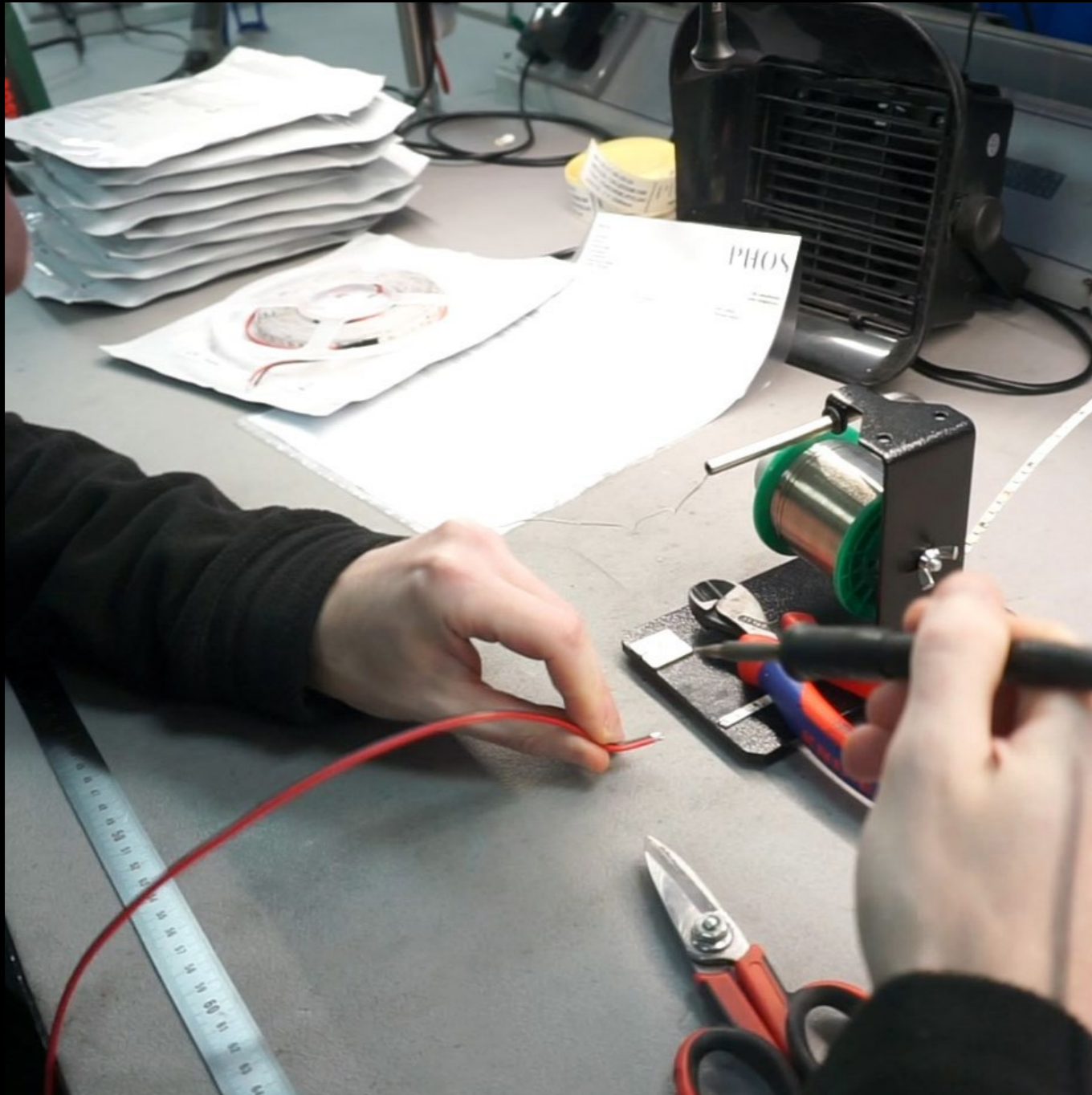




DRIVER MANUFACTURE - EXAMPLE

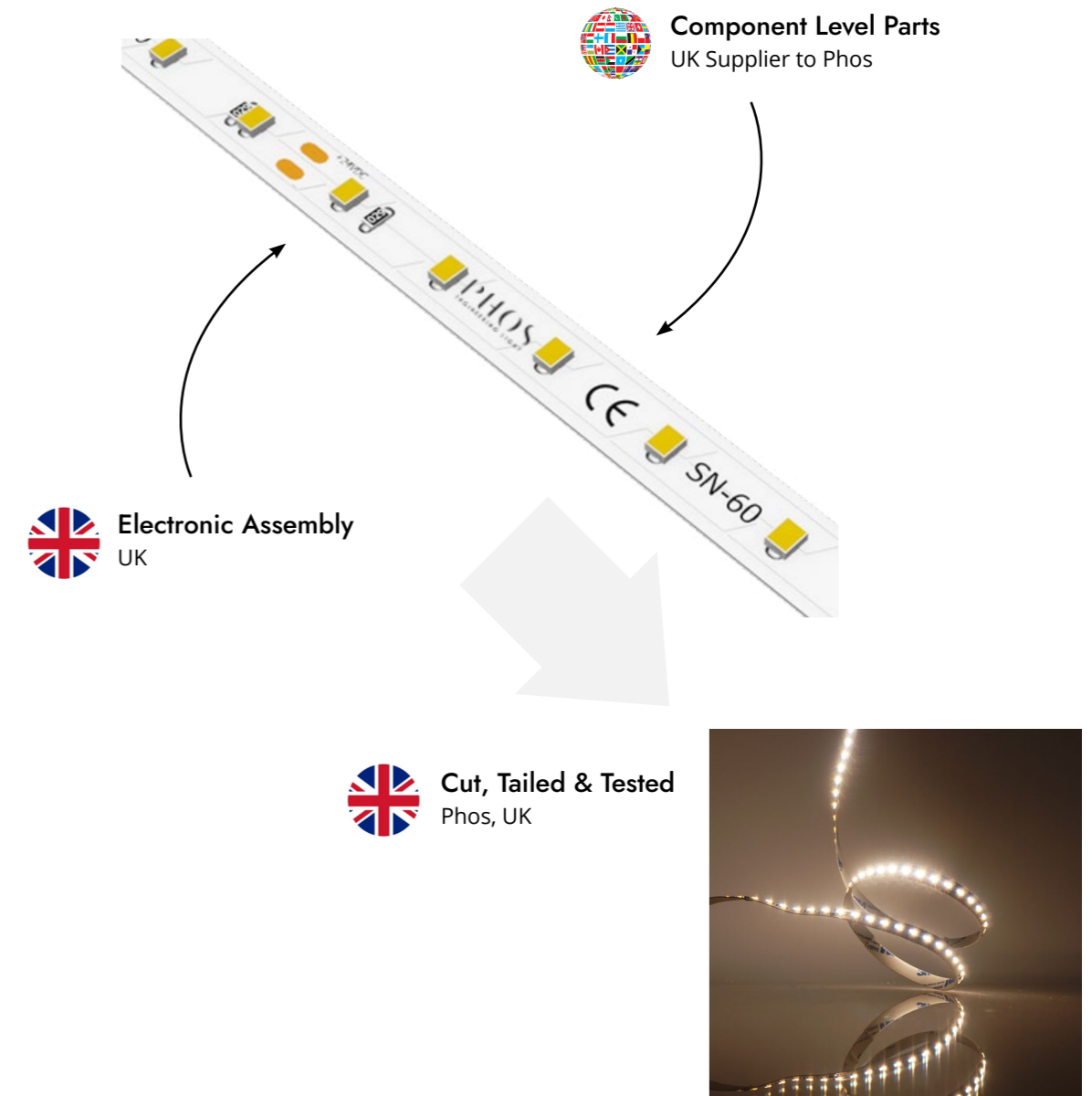
Product - INF Driver Range





LINEAR MANUFACTURE - EXAMPLE

Product - Linear LED Strip Range





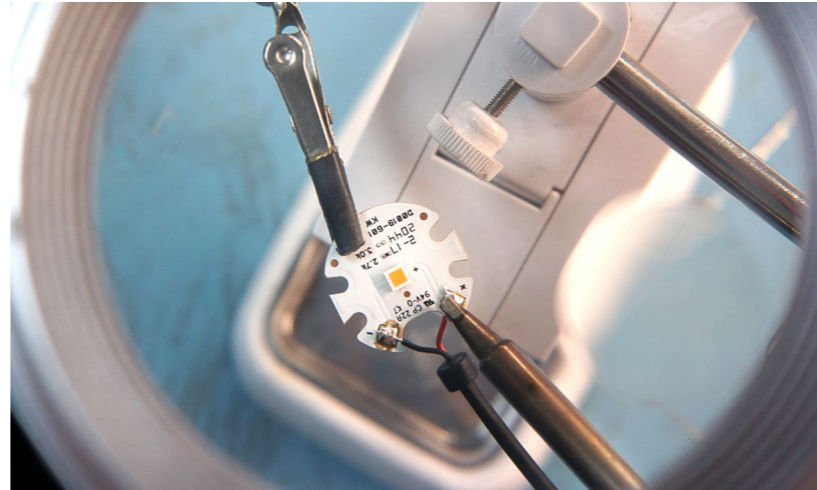
PACKAGING

We only use recyclable and environmentally friendly packaging. We recycle all incoming cardboard and paper packing in house with special machinery to reuse this for bulk packaging of our own products once again.

TRANSPORT

We review both our incoming and outgoing transport requirements on a quarterly basis according to our TM66 and BCORP accreditations to minimise our environmental impact.





REPAIRS

Under normal circumstances our products will last for a minimum of 50,000 hours, around 20 years of domestic use. Statistically less than 0.02% of our products have failed prior to this but in the very unlikely event of a failure or if a product has been maltreated, we offer a full repair or replace service for all products in current production.

Our products have less than 0.01% out of the box failures and less than 0.72% life-time guarantee failures. 87% of RMAs (Returned Material Authorisation) are repaired (recycled), rather than replaced.

0.72%

Life-time guarantee failures

0.004%

Out of the box failures

87%

RMAs Repaired

ACCOLADES

Phos is a family-run, award-winning British designer and manufacturer of architectural lighting. Every one of our ranges has been acknowledged within the lighting industry.

Darc Awards

- Winner of "Best Interior Kit" at the Darc Awards 2019
- Runner up in "Best Exterior Kit" at the Darc Awards 2020
- Shortlisted in "Best Interior Kit" at the Darc Awards 2021
- Shortlisted in "Best Exterior Kit" at the Darc Awards 2021

FX Awards

- Short-listed for "Product of the Year" at the FX Awards 2020
- Short-listed for "Best Lighting Product" at the FX Awards 2021

LDA

- Highly Commended for "Product of the year" at LDA 2021



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