



EXPERTS IN ETCHING

Presentation



www.photofab.co.uk

Photofab in Numbers

1.



Global Trading with
over 50 Countries

2.

Over

47

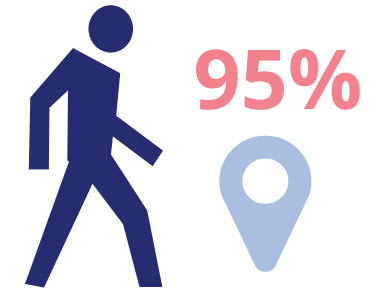
years' experience in
Chemical Etching

3.

150

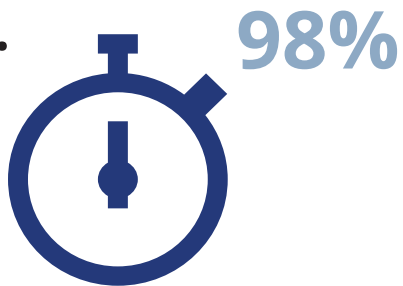
Continuous
Improvement Activities
complete each year

4.



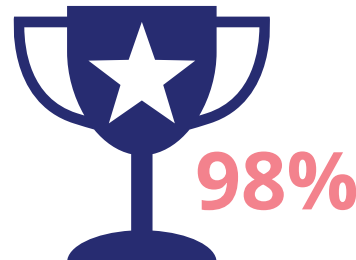
95%
of all employees live
within 3 miles of plant

5.



Delivery on time

6.



Right first time

7.



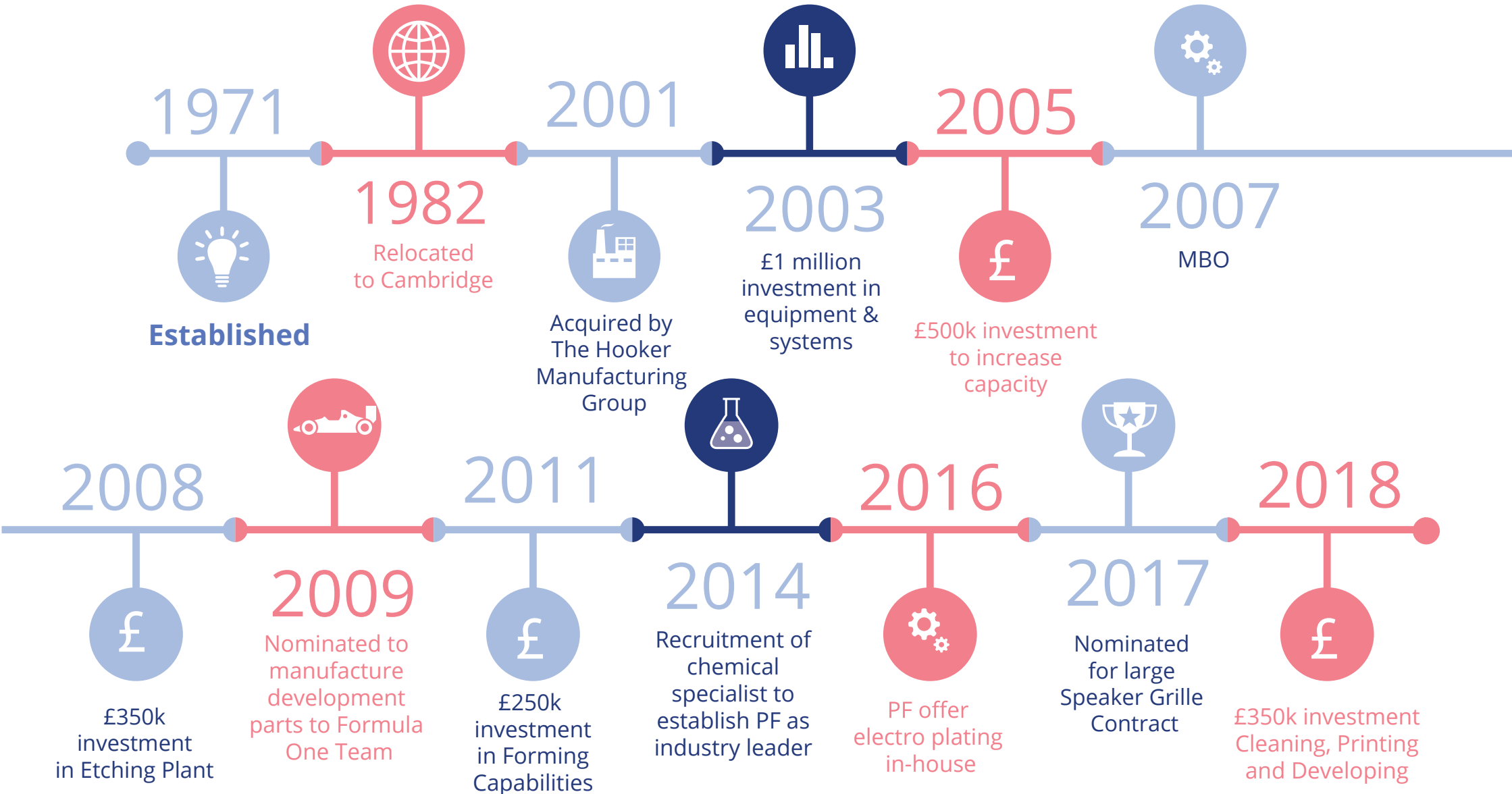
ISO9001, 14001 &
18001 Accredited

8.



25%
5-tonne of steel & 25%
of all water recycled
every year

Timeline



Engine Management

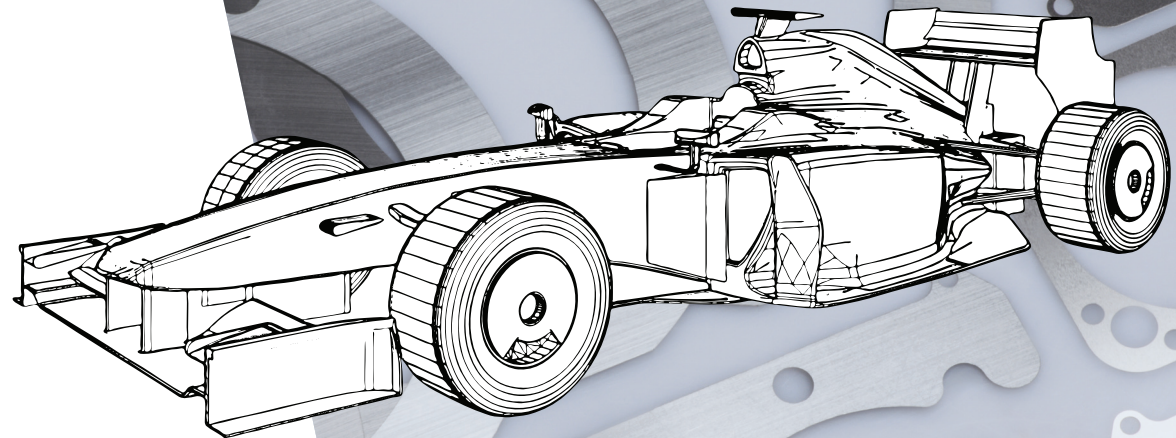
Photofabrication Automotive work with some of the leading designers across the industry. The items we photo etch may not be the most technical elements of the engine design, but the critical benefits provided by photo etching enable other aspects of the design to function. This includes damping shims for fuel injection, spacers and washers for Formula 1 cars, gaskets, flexures and so much more.



Benefits:



- **Low Cost Photo Tooling**
- **Mixed Tooling** - having more than one variation on the same tooling (saves money and time)
- **Burr and Stress Free** - photo etching does not affect the core properties of the metal selected
- **High Accuracy** - from +/-0.025mm
- **Fast delivery** - flat components in 24 hours!!!



Speaker Grilles

Photofabrication Automotive work with many of the leading car manufacturers across the globe. The unmatched customer service, combined with the highest quality levels makes Photofab the ideal partner. Sadly, we cannot list all of the prestige clients due to confidentiality agreements, we can assure you that these organisations are at the forefront of car design and production.



Benefits:



- Low Cost Photo Tooling
- Logo's / personalisation added at no extra cost
- Burr and Stress Free - photo etching does not affect the core properties of the metal selected
- High Accuracy - from +/-0.025mm
- Scratch free surface finish
- Fine apertures - allowing for greater open areas
- Fast delivery - flat components in 24 hours!!!
- Prototype to Production options



Photo etching has been utilised for some time now by automotive OEM's due to the versatility of the process. Not only does it not introduce burrs or stress into the metal, photo etching allows complex mesh patterns to be created whilst simultaneously surface etching (engraving essentially) logos to personalise the grille.

Fuel Cell Plates

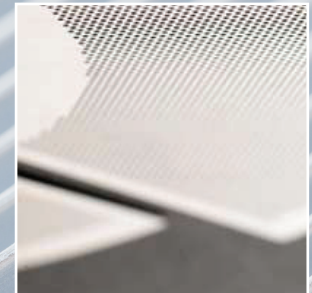
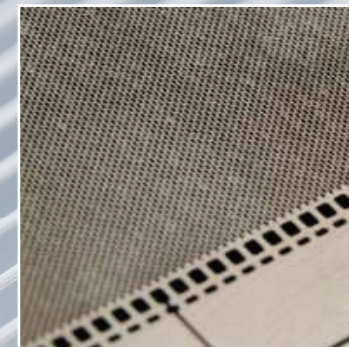
Photofabrication Automotive work with many leading car manufacturers in the quest for zero emissions through fuel cell plate technology. Photo etching as a process provides the ability to combine fine features, controlled etched channels and high accuracy. The development of fuel cell plates is seen through various applications, from cars and planes through to your domestic boiler. All looking for the same outcome, efficiency. And a competitive advantage over their competitors...



Benefits:



- Controlled depth of channel etching
- Wet process, creates round channel for solutions to flow through
- High Accuracy - from $\pm 0.025\text{mm}$
- Scratch free surface finish
- Fine apertures, allowing for greater design flexibility



Automotive R&D

How do you make your vehicle stand out?

Design, design, design...



Photofabrication Automotive work with small design houses through to many of the leading car manufacturers across the globe.

As a designer, you are the ones with the ideas, you are the ones that see things differently, that make what could be a mundane way to get from A to B into a real experience.

We believe with your designs and our manufacturing you could be onto something...

We can make your designs come to life!

Contact



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