



www.maldenplating.co.uk



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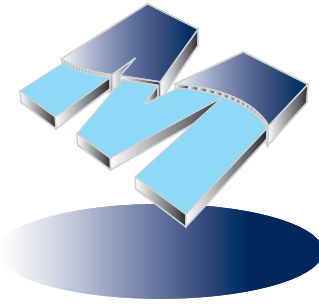
...treating your metal with care since 1949

- sulphuric acid anodising
- pre-anodising chemical finishes
- pre-anodising mechanical finishes
- zinc plating
- chromate conversion finishes



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■ Introduction

Malden Plating is a long established family business founded in 1949.

The business was bought by the Mackey family in 1989. Brothers Garry and John are now responsible for the running of the company which operates from a 13,000 sq.ft. factory in Mitcham, Surrey.



In over 50 years of trading we have built up an excellent reputation with our clients, our aim has always been to deliver consistent, professional results in line with our clients' exacting demands. Malden Plating employs an experienced team, who are always available to offer advice and guidance on what process best suits a customers needs.



Anodising - The Process

In simple terms, anodising is a process widely used on aluminium components to create a thicker artificial aluminium oxide surface. Once the component has been anodised, the surface benefits from increased durability against damage through corrosion or abrasion and subsequently allows for the creation of a wide variety of decorative colours and finishes. The anodised component also provides a better surface for adhesion of paint, primers and glues. This process is the only coating method that allows aluminium to retain its metallic finish.



Sulphuric Acid Anodising

At Malden Plating, we specialise in sulphuric acid anodising. This process utilises a specified electric current through a sulphuric acid electrolyte. The clear silver coloured coating created, with a thickness of between 5 and 25 microns, has enhanced abrasion and corrosion resistance yet can be dyed or pre treated to create decorative, textured finishes. These can be either highly polished, satin look or matt.

Zinc Plating

Similar to galvanising, zinc plating is a method of treating steel components to provide protection from corrosion.

The follow up process of passivation adds an additional coating of protection and allows a choice of colour finishes.

At Malden Plating we offer two zinc plating specific finishes;

Trivalent - provides either blue or a clear finish.

Hexavalent - provides a yellow/gold finish.



Chromate Conversion

This process is a non-electrolytic process for coating aluminium. Whilst it does not have the same wear properties as sulphuric acid anodising and is not suitable for colour dyeing, it is more pliable and provides an excellent surface for paint and bonding.

Malden are experienced in the three processes most commonly used throughout the industry, namely Alocrom 100, Alocrom 1000, and Alocrom 1200, each have their own specific uses.

Alocrom 100

Alocrom 100 provides a bluish/green coating, very durable offering excellent corrosion resistance, but with low electrical conductivity. There is no hexavalent chromium in this coating.

Alocrom 1000

Alocrom 1000 provides a clear coating, slightly less durable than alocrom 100 or alocrom 1200 but with excellent electrical conductivity.

Alocrom 1200

Alocrom 1200 provides an iridescent gold coating, offering good durability and medium electrical conductivity. It also provides an excellent key for applying a paint finish.



Further details are available on our website www.maldenplating.co.uk

Alternatively please call our experienced team to discuss your exact requirement on **020 8640 1272**

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our range of services

Malden Plating offer the following technical services:

- **sulphuric acid anodising:**
 - a variety of colour options are available
- **pre-anodising chemical finishes:**
 - etching and brightening
- **pre-anodising mechanical finishes:**
 - bead blasting, brushing and polishing
- **zinc plating:**
 - trivalent or hexavalent passivation
- **chromate conversion finishes**
 - alocrom 100, 1000 and 1200

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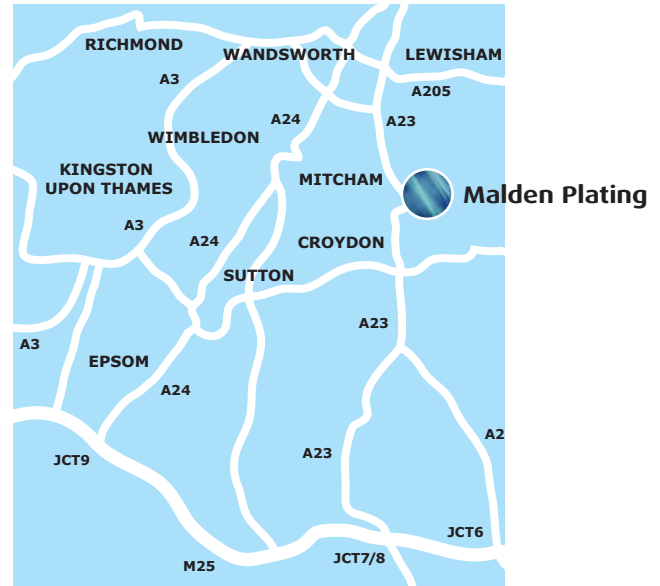


■ delivery of your finished goods

We ensure that all finished components are securely wrapped, (individually if required) packaged and shipped in line with our customers requests and expectations.

■ our location

Malden Plating is conveniently located within easy access of the M25/A24/A23. Malden Plating is ideally placed to service its customers locally and nationwide.



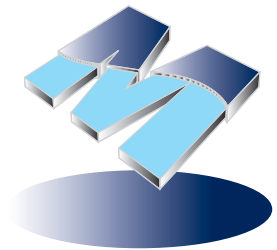
Further information including a detailed map of our location is available on our website @ www.maldenplating.co.uk



■ safe, clean & responsible processing

Malden Plating is very aware of environmental issues and take our responsibilities very seriously.

We have installed a state of the art filtration system which treats the waste created by the technical processes we carry out, ensuring that solids are removed prior to disposal into the water system. This ensures that waste levels are kept well within industry guidelines. In addition regular checks are carried out by the industry's governing organisation to ensure that we are complying with our responsibilities to the environment.



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