

# Metal Finishing

Portsmouth Aviation has been offering metal finishing services for over 60 years. We are one of the largest metal treatment facilities on the south coast holding all the necessary quality approvals.



**Portsmouth Aviation offers a total metal treatment and finishing service to the manufacturing industry. We have one of the largest metal treatment and finishing facilities on the South Coast. The treatment facility is supported by the comprehensive testing available at the company's premises.**

## What we offer:

- Bespoke focused customer service
- Finishing to close tolerances
- Well equipped inspection facilities
- On site non-destructive testing (NDT)
- Treatment and paint facilities co-ordinated to meet strict aviation process specifications

## Approvals

Approvals for treatment are held from a number of primes including Britten-Norman Aircraft Ltd, Augusta Westland and BAE Systems. These are in addition to our company approvals which include AS 9100 Rev.B, ISO 9001 : 2008 and ISO14001 : 2004.

## Metal Treatment

Our main plating facility provides:

- Alocrom 1200
- Cadmium Plating
- Chromic Anodising
- Manganese Phosphating
- Nitric Acid Passivation
- Sulphuric Anodising
- Zinc Plating
- Zinc Phosphating

## Painting (Organic Coatings)

Defence, aerospace, commercial and civil wet coatings are undertaken to various specifications.

Facilities include:

- Large Painting and baking booths with track facilities
- Environmental control
- Pre-coating preparation
- Shot, bead and vacuum blasting up to 3000 x 3000 x 10,000 mm
- Zinc metal spraying
- Specialised masking

## Testing

- Fully equipped in-house laboratory
- Salt Spray
- Non-Destructive Testing (NDT)
- Dye Penetrant
- Magnetic Particle
- Hardness and conductivity testing

Portsmouth Aviation Ltd  
Airport Service Road,  
Portsmouth, Hants PO3 5PF

T: +44(0)23 9266 2251  
F: +44(0)23 9267 3690

Email: [info@portav.com](mailto:info@portav.com)  
[www.portav.com](http://www.portav.com)