



Atuline

Precision Engineering

The One Stop Engineering Solution



- Precision Fabricating
- CAD/CAM Design
 - Electrostatic Powder Coating
- Toolroom & Model Shop
 - Scientific Instrumentation
- CNC Turning, Milling, Punching & Forming
 - Welded Fabrications
- Anti Ligature Solutions

Welcome to Aluline Precision Engineering

Aluline Precision Engineering provides a one stop precision engineering service to leading companies in the scientific, security and telecommunications field.

Our high precision machined and sheet metal components are produced on a comprehensive range of CNC machine tools. Our off-line CAD/CAM system is capable of receiving customer drawings electronically and producing machine programs.

Aluline Precision Engineering provides its customers with a full and comprehensive engineering service with the following advantages:

- Low prototype and set up costs.
- A quick and efficient service, from development to full batch manufacture.
- A fully integrated computerised manufacturing system tracking customers orders from enquiries to invoicing of finished goods.
- Highly skilled and experienced staff committed to quality and continuous improvement.
- The ability to provide the customer from a 1 off prototype to regular batch manufacture, including mechanical assemblies.
- Our manufacturing and CAD/CAM systems are flexible allowing our customers the freedom to modify designs quickly to meet market demands.
- We can offer through our customer and supplier partnerships advice on potential production problems in manufacture of finishing at the earliest stages of development.



Our Service to you

Our Versatile machines are capable of manufacturing close tolerance components from the prototype stage to full production batches. Our skilled workforce is committed the highest standards of quality yet strive for constant improvement.

Our Precision fabricated and welded assemblies are used as cabinets, and enclosures for scientific instrumentation in hospitals and research laboratories throughout the world and are manufactured to the demanding standards of these environments.

- CNC Turning, Milling, Punching and Forming
- Welded Fabrications
- Electrostatic Powder Coating
- CAD/CAM Design
- Toolroom and Model Shop
- Acrylic Fabrications
- Mechanical Assemblies
- Digital measuring equipment



Aluline Precision Engineering can also offer our customers our model shop, prototype development and tool making facilities. We offer expertise in the production and manufacture of acrylic assemblies.

To compliment our sheet metal and machined components Aluline Precision Engineering can also offer a number of specialised finishes, such as epoxy polyester paint finish using our in-house electrostatic powder coating plant complete with a 3 stage iron phosphate pre-treatment.

We also offer in-house Screen Printing and can supply the following finish options provided by our supplier partnerships:

- Anodising in most colours
- Zinc Plating
- Electric Polishing
- Nickel and Tin Plating
- Engraving



Anti Ligature Windows

These Anti Ligature windows made by Aluline Precision Engineering are designed to be retro fitted, so there is no hassle of installing lots of new frames etc, and can be manufactured to almost any design required and from most materials. They can be fitted into most frame types, including metal, uPVC and wood.

We at Aluline Precision Engineering believe that any customer who installs these units will be completely satisfied with our product, we ensure this by offering to fit one of our solutions to a window of your choice, free of charge, for as long as you need to get as many people as possible to try it out and offer their opinion. If, after the trial period ends, you feel that the solution is unsuitable, we simply remove the solution (again at no cost to yourselves) and restore the window to its original condition.



Window Solutions

We have found that each hospital in every trust has a different design, shape and size of window. However, the most common type of window found in NHS mental health hospitals are the “top hung” as shown in Fig.1

As can be seen our solution (the white parts of the interior of the window) are fitted, guarding the opening. When we are designing the frame to fit each window we take into consideration factors such as size of sills and the reveal of the window, to make sure each frame fits perfectly to its allocated window.

As shown in Fig.2 we can adapt our solutions to windows either as single or double units, or as part of a fixed window and opening light system.

Our windows solutions are not just restricted to bedrooms. we have solutions available for rooms anywhere, including day rooms, internal walls, showers, kitchens and prison windows.

As shown in Fig.3, our day room solutions are designed to have a double opening, from the top and bottom, increasing air flow further. It is also worth noting the windows on either side of the solution are fixed, yet unaffected by the installation of our solution even though the mullions are quite narrow.



Anti Ligature Products

Aluline manufactures and supplies bespoke Anti Ligature Products to meet customer requirements.

- Radiator Covers
- Grilles
- TV Guards
- Windows
- Lights
- Light Fittings
- Air Conditioning

Many more products can be custom made to any specification.



Powder Coating

To compliment our sheet metal and machined components Aluline Precision Engineering can also offer a number of specialised finishes, such as epoxy polyester paint finish using our in-house electrostatic powder coating plant complete with a 3 stage iron phosphate pre-treatment. We can also offer in-house screen printing.

Our paint team has over 15 years experience in high quality powder painting to ensure the highest levels of customer satisfaction are met on time, every time.

Aluline Precision Engineering work closely with small businesses who do not have the facilities to paint their own parts, or larger companies looking to save time and money by outsourcing and subcontracting their paint work.



Contacting Aluline Precision Engineering

Aluline Precision Engineering are here for you. if you wish to contact us for more information, quotes, advice or whatever you feel is relevant please do not hesitate to get in touch. Our friendly and highly trained professional staff will contact you as soon as possible and will help in any way they can.

Aluline Precision Engineering Ltd.
60 Brindley Road,
Astmoor Industrial Estate,
Runcorn,
Cheshire. WA7 1PF

Tel: 01928 563532 Fax: 01928 580224
Email: precision@alulinegroup.com

If you have an electronic form of a CAD/CAM engineering drawing and would like a quick and easy quote, please email it to us.

Other companies within the Aluline Group



The complete answer to the modular public toilet.

Tel: 01928 563532
Email: enquiry@blythvalleytoilets.com
Website: blythvalleytoilets.com



Bar Olympic is a specialist in manufacturing a fully modular range of bar units, from design to installation.

Tel: 01928 563532
Email: enquiry@barolympic.com
Website: barolympic.co.uk



Aluline has unrivalled experience in surveying, specifying, supplying, installing, and maintaining Grease Traps, from the largest to the smallest kitchens.

Tel: 01928 563532
Email: enquiry@alulinegroup.com
Website: alulinegms.com



Head Office:
59 - 62 Brindley Road,
Astmoor Industrial Estate,
Runcorn, Cheshire. WA7 1PF
Tel: 01928 563532
Email: enquiry@alulinegroup.com
Website: alulinegroup.com



- Precision Fabricating
- CAD/CAM Design
 - Electrostatic Powder Coating
- Toolroom & Model Shop
 - Scientific Instrumentation
- CNC Turning, Milling, Punching & Forming
 - Welded Fabrications
- Anti Ligature Solutions



60 Brindley Road
Astmoor Industrial Estate
Runcorn, WA7 1PF
Tel. +44 (0) 1928 563532
Fax +44 (0) 1928 580224
email: precision@alulinegroup.com
Website: www.alulineprecisionengineering.com

