



Astro
GROUP

Leading Aluminium
SUPPLIER
FABRICATOR
SURFACE FINISHER

Group Overview

www.astrogroup.co.za

Astro Group

The Astro Group is South Africa's leading aluminium surface finisher and one of the country's foremost suppliers of aluminium and aluminium products.

For companies in the Transport, Building & Construction, Medical and Renewable Energy (Solar) industries, we offer quality supply, fabrication, and surface finishing for general and bespoke aluminium products.

Group Overview

Astro Aluminium was founded in 1998 to supply aluminium extrusions to the industry. The business soon evolved to accommodate the supply of purpose specific configurations needed by certain industries.

An early objective was to establish a comprehensive fabrication capability to produce high quality semi-finished and finished products to customer specifications.

Astro Anodising was founded shortly thereafter to complement the supply and fabrication of aluminium. Today, Astro Anodising offers the largest selection of colours and finishes available in South Africa. We are capable of anodising work in sizes ranging from small parts or machined components up to lengths of 7,5m.

Over the past twenty six years the group has grown from strength to strength widening scope to include the manufacture of our own branded products. These include Astro Quip Assistive Mobility Devices, Xrossbow Vehicle Side Steps and Tungha Bicycle Racks.



Our Approach

Capabilities & Expertise

With twenty seven years of experience the Astro Group of Companies is well established and has an excellent reputation for providing quality products and services.

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A Turnkey Aluminium Solution

Customers requiring aluminium sourcing, supply, fabrication or surface finishing can be readily served.

Customers who require a range of services can be assisted through the full depth and breadth of our offering as we can take projects to semi-finished or finished stage, thereby removing the need to deal with multiple suppliers or service providers.

This allows our customers to free up time to focus on core aspects of their business such as product development, sales and marketing.

Fabrication Capability

In terms of fabrication, the group can deliver a wide range of services and this offering will continue to develop over the coming years.

ISO Quality Management System

Astro Aluminium, Astro Anodising and Astro Quip have implemented and apply a quality management system which is in compliance with the requirements of ISO 9001:2015 This ensures quality control and improved service levels to all our customers.

Geographic Footprint

The Astro Group has established offices and warehousing in key geographic locations around South Africa to service customers efficiently.

Supply and Stock Levels

We manage and maintain the appropriate stock levels to service customers across a diverse range of industries and for various applications.

Simplified Processes

Our turnkey approach to project management places the responsibility for quality production on us and relieves customers of the concerns associated with products being ruined at an advanced stage of manufacture by a careless supplier or service provider.

Turnaround Times

We work hard to provide exceptional service and maintain good turnaround times.

Packaging

Products at the semi-finished or finished stage of manufacture need to be packaged properly for transport and delivery. This is a step which is often overlooked. We have professional equipment and the expertise to package aluminium products appropriately, which reduces the risk of damage.

Astro Aluminium

Supply & Fabrication

Astro Aluminium specialises in the supply of an extensive range of extruded and rolled aluminium products as mill finish (raw) or surface finished. We also specialise in the manufacture of semi-finished and finished aluminium products on behalf of our customers, or for distribution through our own channel.



Extruded Products

Extruded aluminium products include but are not limited to round tube, square tube, round bar, square bar, rectangular tube, angle, channel, flat bar and slat sections. We also specialise in custom extrusion design as well as development of our own innovative product lines.

Rolled Products

Rolled products include but are not limited to sheet and tread plate.

Fabrication

As part of our turnkey offering Astro Aluminium boasts a comprehensive range of equipment for aluminium fabrication, and through our brand Xrossbow, we are an approved P&A (Parts & Accessories) supplier to Nissan South Africa.



SHEQ
National cert
Certified: ISO 9001:2015

ISO 9001:2015

Astro Aluminium have implemented and apply a quality management system which is in compliance with the requirements of ISO 9001:2015.

Fabrication Services

Aluminium CNC Bending

Our aluminium fabrication services include CNC bending for aluminium sheet and plate up to 3mm gauge, inside diameter 25mm on channels. This service does not extend to aluminium tube.

Aluminium CNC Routering

We offer CNC routering in-house (DXF File compatibility). Our CNC Router is suited for high volume, component and extrusion type work. Operations include standard cutting, drilling, counter-sinking as well as stepped cutting.

Lengths and components of between 25 – 3000mm are ideally suited to our machining bed and specialised jiggging ensures that a high tolerance is achieved on high volume repeatability.

Aluminium Cutting

We offer cutting services on aluminium extrusions.

Aluminium Guillotining

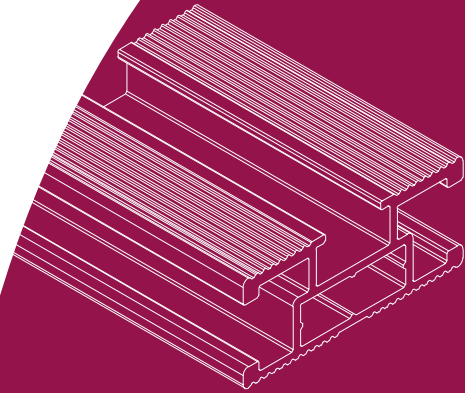
We offer straight guillotining for aluminium sheeting from 0,5mm gauge up until 4,5mm gauge.

Aluminium Press Work

Our press shop comprises four hydraulic eccentric presses. These are used for punching, forming, and shaping aluminium extrusions and sheet according to customer specifications.

Aluminium Drilling

Our drilling services include drilling, countersinking, and tapping.



Custom Extrusion Development & Design

Our experienced team are available to assist with the design and development of custom customer extrusion dies. Our in-house CAD software, along with a proven track record, ensure that the complexities involved are safely and efficiently covered.

Specialised Packaging

Customer specific product packaging is available on request.



Astro Anodising

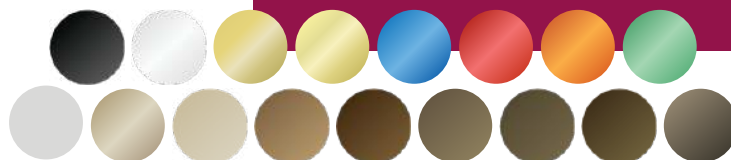
A Leader in Commercial Anodising

Astro Anodising offers superior anodising services to manufacturers using aluminium in the production of their end products as well as customers requiring anodising for bespoke projects.

We offer the largest selection of colours and finishes available in South Africa. We are also proud of our capability to anodise work in sizes ranging from small parts or machined components up to lengths of 7,5m.

Services include:

- Extrusion Anodising
- Sheet Anodising
- Chemical Brightening
- Component Anodising
- Architectural Anodising
- Specialised Jigging
- Mechanical Polishing
- Mechanical Brushing



ISO 9001:2015

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Anodising Services

Architectural Division

We offer anodising up to lengths of 7,5m in natural finish or a choice of colours. Colours include bronze 541, bronze 542, bronze 543 as well as Black 549. Thickness specifications: 15 or 25 microns (μm).

Natural anodising is an excellent pretreatment for paint or powder coated finishes and is highly recommended for coastal applications due to its superior corrosion resistance, durability, cost effectiveness and low environmental impact.

Semi Architectural & Brightening Division

We offer anodising for sizes ranging from 1m up to 3,35m in length. A wide selection of colours are available in either a matt or bright finish. Full size sheets (3m x 1,5m) are also available in a natural finish. Smaller sizes are available in specific colours. Mechanical polishing and brushing on various extrusions are just some of the available pretreatment options.

Our range of colours include natural, brass, gold, champagne, gun metal blue, black, silver, purple, red, green, blue, pink, orange, bronze, bronze 541, bronze 542, bronze 543, bronze 545 as well as bronze (double dip process).

**Please note that purple and green colours are only available for components under 1m x 1m in size.*

Component Division

Our component division specialises in the anodising of an extensive range of aluminium components. Purpose designed titanium jigs are used to limit the contact marks. Job specific jigs can be manufactured for volume based work.

The range of colours include natural, brass, gold, champagne, gun metal blue, black, silver, purple, red, green, blue, pink, orange and bronze.



Astro Powder Coating

For Aluminium & Steel

Astro Powder Coating specialises in superior powder coating services for aluminium and steel including components as well as lengths up to 3,8m. We are able to provide a wide range of standard colours available for internal and external applications and can accommodate special colours on request.



Services include:

- Extrusion Powder Coating
- Component Powder Coating

Pretreatment Services for Small Components

Powder coating provides greater protection and a more aesthetic finish for aluminium. Powder coating also reduces susceptibility to damage, rust and corrosion. This in turn, increases a part or components lifespan and range of use. To do all of this, it is imperative to follow the correct pretreatment process to ensure the surface is clean and so the powder coating process is effective.

Sandblasting Pretreatment (Bead Blasting)

Aluminium and steel

Bead blasting is an abrasive cleaning process that involves smoothing and cleaning aluminium or steel. This process ensures the surface finish isn't impaired by marks or contaminants which can range from small scuff marks, to paint, rust and unwanted material on the surface.

Bead blasting can also remove paint and rust from the surface of the material before, and ensure it retains its durable finish after anodising or powder coating.

Soda or Vapour Blasting Pretreatment

Aluminium only and up to sizes of 800mm x 800mm x 800mm

Soda blasting or vapor blasting is a non-abrasive cleaning method for aluminium and is particularly effective at removing things such as light rust and old paint. This process can also be used to improve the overall quality (appearance) of the material.

Tumbling Pretreatment

Aluminium and Steel in small quantities and sizes

Tumbling is a process that is used when small components are placed in a circular vibrating drum that is filled with abrasive beads. This process is used to remove any unwanted material particles from the original component and polishes the surface providing a smooth finish to the material.

Astro Quip

Assistive Mobility Devices

Astro Quip is the distribution division for our impressive range of aluminium assistive mobility devices consisting of crutches, walking sticks, walkers, rollators and mobility accessories.

Locally Manufactured

The majority of our range is designed, manufactured and tested in South Africa at our own facilities to ensure consistent levels of product quality.

Committed to Quality

We are committed to providing outstanding products. To ensure that we maintain consistent levels of quality we have invested in a testing facility which houses all the apparatus needed to manufacture in accordance with the relevant SABS and ISO standards applying to mobility aids.

Products include:

- A comprehensive range of crutches
- Walking sticks
- Walkers
- Rollators
- Mobility accessories



ISO 9001:2015

Astro Quip have implemented and apply a quality management system which is in compliance with the requirements of ISO 9001:2015.

Xrossbow

Aluminium Side Steps



Xrossbow supplies lightweight and durable aluminium side steps and trims for a range of popular vehicle makes and models. The current range of anodised finishes includes polished bright silver, satin silver and matt black.

Our products have been developed by South Africans for local conditions guaranteeing peace of mind and unparalleled levels of service to our clients. Our staff pride themselves on being part of a team of specialists dedicated to maintaining the highest quality standards in aluminium fabrication and surface finishing. We have an impeccable track record as an OEM and second tier supplier to the automotive industry and Astro Aluminium, through our brand Xrossbow, is an approved P&A (Parts & Accessories) supplier to Nissan South Africa.

We sell aluminium side steps in specific lengths for single, double and extended cab vehicles which are motor manufacturer model specific, wheel arch to wheel arch. Universal boards are available in standard 2,1m or 2,4m lengths and mounting brackets are included (motor manufacturer model specific).

Brands

- Volkswagen
- Isuzu
- Ford
- Toyota
- Nissan
- Mazda



Tungha Bicycle Racks

TUNGHA

Quality, Affordable Bike Racks

Tungha offers quality, affordable bike racks designed and manufactured in South Africa. Our range of three racks fit most vehicles including hatchbacks, sedans, and sports utility vehicles (SUVs). The range is available both natural anodised aluminium and black powder coated aluminium.

For Four Bikes



For Two Bikes



For Three Bikes



Showcasing Our Capabilities

As one of our own products, this product range showcases our capabilities from product development and design through to fabrication, product assembly and finished product.



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