



# Products and Services

## Updates

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# Altus Products and Services

## Altus industrial products



Architectural Profiles  
Windows & Doors



Manufacturing



Profile Shapes



Sheet, Plate &  
Coil Products

Altus Industrial Solutions supplies rolled and extruded products from stock. Additionally Altus will extrude products that are available for Mill runs in standard production quantities.

Through its extensive trading contacts internationally Altus is able to procure special alloys and products through established partnerships with major overseas manufacturers.

Altus can usually provide an indent solution to enquiries for difficult to attain aluminium materials.

Altus has a reputation for high-quality extrusion and manufacture of aluminium profiles, from basic shapes to intricate complex designs.

Our stocked range of profiles include: Angles, Channels, Rod and Bar, Tubes & Hollows, Tee's, I-Beam's, Marine sections, Transport sections, Insulations sections, Signs sections, and Architectural Profiles.

## Export/international services



Global Sourcing

Altus Export / International teams provide tailored product and service solutions to customers throughout the Pacific and Australasia.

Altus Export and International Departments' offer:

- Private die extrusions
- Standard extrusion, plate and rolled products
- Residential and commercial window and door systems
- Hardware and components
- Cutting services and surface finishing

## Custom extrusion and Die design



Custom Extrusion



Die Design



3D Modelling



Custom Design

We also offer made-to-order services for custom designs and large mill run orders. Our team can provide a total solution - from design, alloy selection and technical support.

Our experienced Die Design teams have a long successful history of assisting companies with die design and modification to ensure successful results.

## Aluminium fabrication services



Cutting

### Cutting

Standard cutting services are available at our Trade Centres, the benefits being that your extrusion length are ready to go. Our saws are available to also cut plate and bar (up to 300mm thick).

- Band Saw (auto feed)
- Plate Saw
  - Up to 300mm thick

### Precision cutting

- Dual Head
- Precise Cut to any angle between 40 and 140 degrees
- Cut up to 6000mm long



Punching

### Punching

Our punching service allows our customers to order when they need and get precision sheet metal punched parts and extrusion. The use of punches is effective and takes the repetitive process away from customers.

### Power press

- 40 Tonne Flywheel Power Press



Drilling

### Drilling

Altus provide drilling-related services for customers across extrusion, plate and sheet.



CNC

### CNC Router

Altus can profile-cut your sheet and extrusion, offering the advantages of speed and precision over alternative cutting methods.

### Flat bed CNC – flat sheets and plates profile cutting

- Thickness 1.2mm to 25mm
- Width up to 2400mm
- Length up to 12000mm

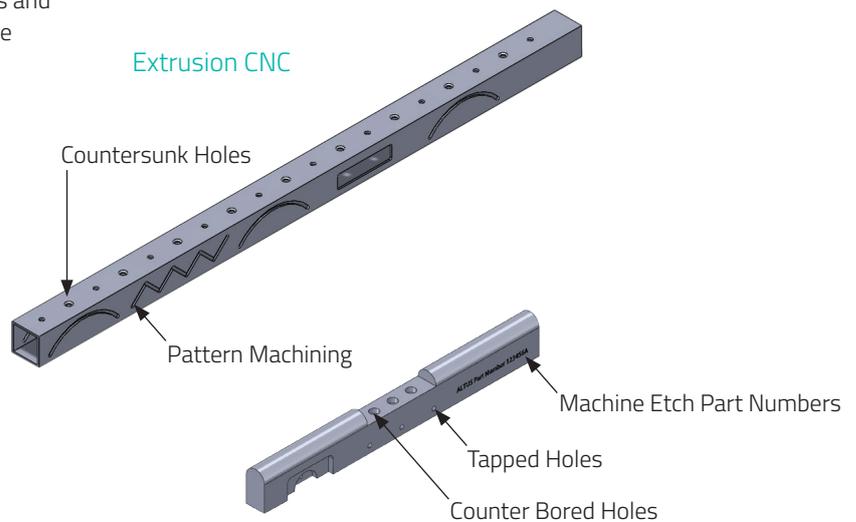
### 2.5m long bed Extrusions CNC

- Single Head
- 3 Axis Vertical CNC router
- Bed Length 2500mm reversible

### 6m long bed CNC

- Single Head
- 3+1 Axis Vertical CNC Router
- Bed Length 6000mm
  - > Special reversible machining available at 12000mm

### Extrusion CNC



Extrusion CNC examples.

## Surface finishing



Surface Finishing

### Powder coating

Altus powder coating facilities operate under Australian & New Zealand Standards AS/NZS3715 for powder coating applications; and are an accredited applicator for Q base, EnduroColour, Gold Akzo Nobel and registered Orica applicator.

### Anodising

Altus offer anodising on mill run orders available to 12, 15, 20 and 25 micron. Anodising comes in Bronze, Silver and Black as defined by the Window Association of NZ Standard.

Refer to Technical Information on Page 81 for more details.



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