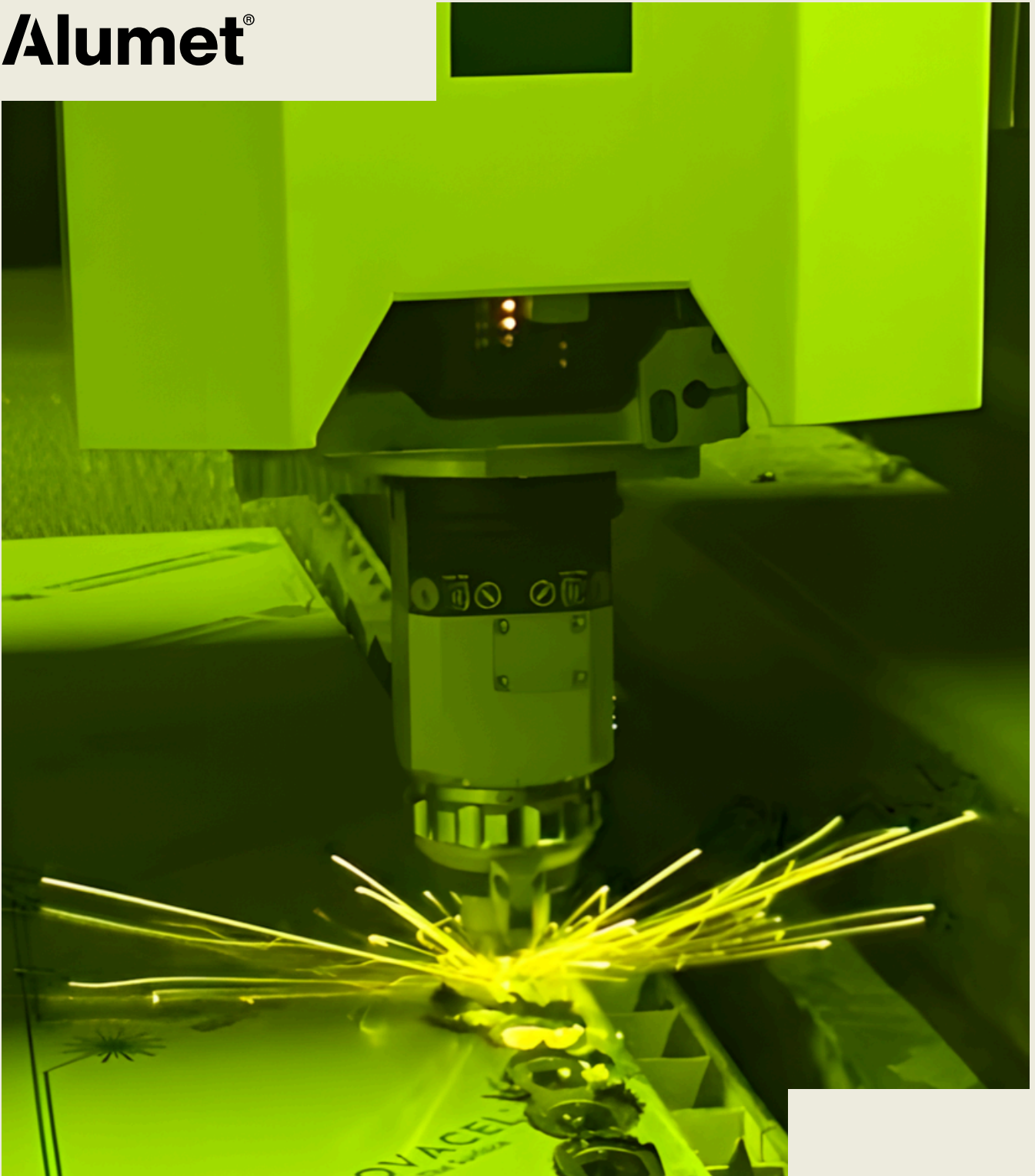


**Alumet®**



Alumet — Capabilities — Auxiliary equipment

**Production capabilities  
auxiliary equipment**

Alumet provides auxiliary production equipment to support our clients' manufacturing processes. These capabilities are available to assist projects that require anodizing, with a focus on double anodizing and brushed or polished finishes.

## Surface brushing and polishing

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Brushing and polishing finishes are applicable for aluminium sheets and aluminium profiles. Surface finishing, laser cutting, and bending are performed in-house at one production location. This integrated workflow ensures consistent surface quality, reduces handling and transport of panels, lowers the risk of damage before anodizing, and allows faster production with better quality control between each step.

### Production sequence for polished and brushed aluminium sheets

Steps	Description
1. Brushing or polishing	Brushing or polishing of the flat aluminium panel
2. Laser cutting	Laser cutting of the required geometry
3. Bending	Bending to form the final component
4. Anodizing	Anodizing, colouring and sealing, Alumet quality

#### Brushing dimensions

Parameter	Production limit
Maximum panel width	1500 mm
Maximum panel length	7500 mm
Maximum component thickness	300 mm

#### Polishing dimensions

Parameter	Production limit
Maximum panel width	1500 mm
Maximum panel length	7500 mm
Maximum component thickness	300 mm

## Laser cutting

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Laser cutting is used to produce precise shapes and openings in aluminium sheets before further forming and finishing processes. The cutting process allows high dimensional accuracy and repeatability for architectural and industrial components.

### TruLaser 1030 dimensions

Parameter	Production limit
Maximum sheet length	4000 mm
Maximum sheet width	2000 mm
Maximum panel thickness	4 mm
Maximum component weight	approx. 900 kg

Laser cutting is typically applied after the mechanical pre-treatment step to ensure that the visible surfaces remain consistent after anodizing.

## Bending

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Bending allows aluminium sheets to be formed into three-dimensional components such as cassettes. The bending process is carried out using a CNC press brake to maintain high dimensional accuracy.

### Trubend 5170 dimensions

Parameter	Production limit
Maximum bending length	4000 mm
Maximum bending width	2000 mm
Maximum panel thickness	4 mm

Bending is performed after the laser cutting stage to create the final product.