



CNC DEEP PROCESSING

PRODUCT CATALOG

CNC processing technology includes: precise cutting($\pm 0.1\text{mm}$), chamfer, drilling, punching, CNC shaping, tapping, bending, assembling, short profile anodized, etc.



SHENGHAI
ALUMINUM

ABOUT SEHNGHAI

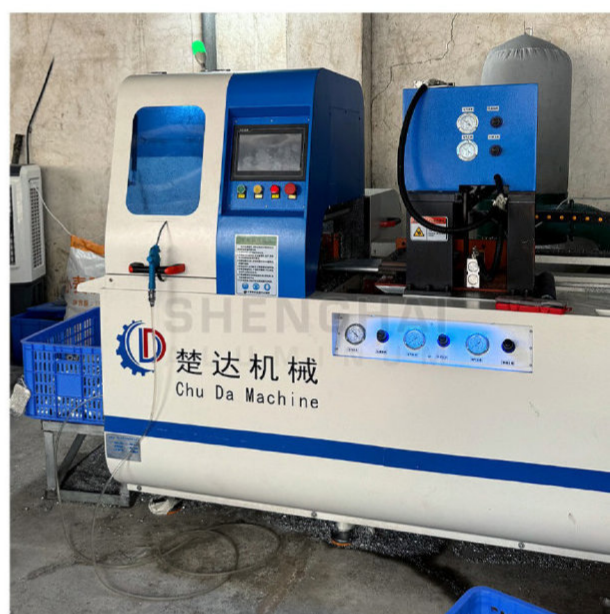
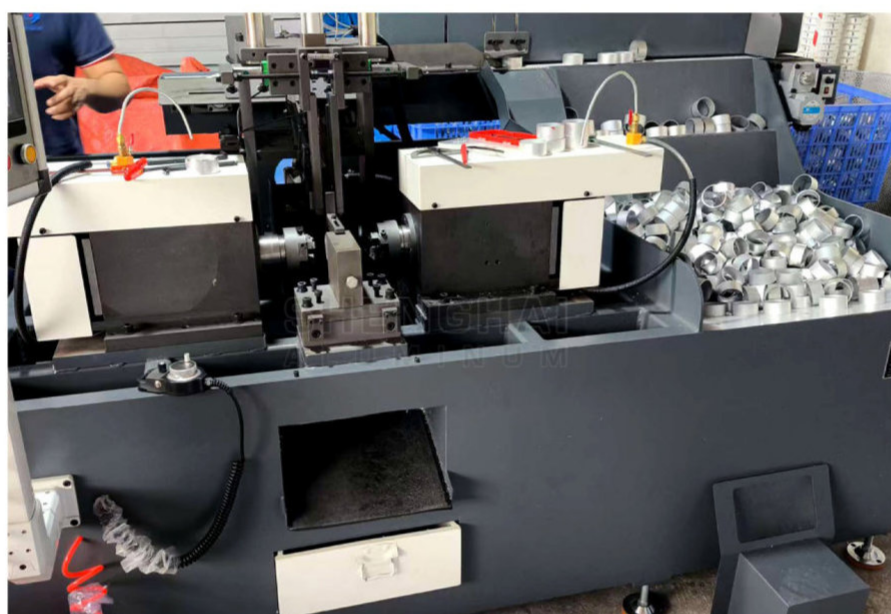
Shenghai is a professional manufacturer and supplier in China. We have over 16 years of experience in deep processing solutions. Shenghai provides the highest quality CNC machining and secondary processing services for aluminum products, and strictly controls the quality of all products to ensure they meet high performance levels.

16⁺
Industry Experience

7
Sets Press Lines

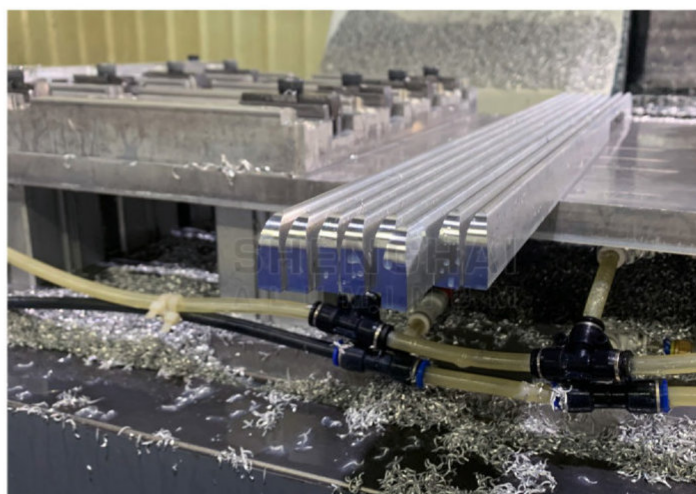
23000⁺
m² Factory Area

8000⁺
Tons Annual Export



CNC MACHINES

CNC equipment can easily handle the machining needs of complex parts, accurately rendering both shape and structure. Whether producing single pieces in small batches or large-scale machining, CNC technology provides reliable solutions that meet customers' stringent precision requirements.



12⁺ CNC SERVICES

- ✓ CNC machining facilitates the production of custom aluminum products.
- ✓ CNC machining can reduce production time while making it more streamlined.
- ✓ CNC machining can produce aluminum products to exacting tolerances.



Precise Cutting (+/-0.1mm)



Chamfer



Drilling



Punching



Milling



Tapping



Assembling



Bending



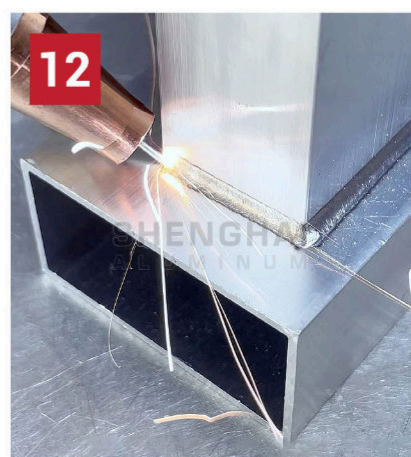
Short Profile Anodized



CNC Laser



Turning



Welding

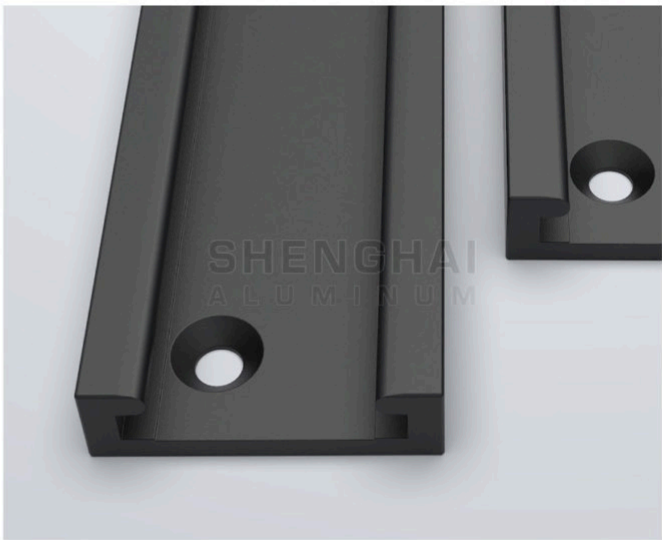
Aluminum Train Door Rails

Country : Australia



Product CNC Procedure

- ✓ Precise Cutting
- ✓ Drilling
- ✓ Tapping
- ✓ Milling
- ✓ CNC Laser
- ✓ Chamfer
- ✓ Hard Black Anodizing
- ✓ High Precision (40mm and 40.45mm)



FINISHED PRODUCT DETAILS



1 CNC Procedure : **Tapping**

2 CNC Procedure : **Drilling + Chamfer**

3 CNC Procedure : **High Precision**

Inner width can be different size by CNC (40mm and 40.45mm)



4 CNC Procedure : **Precision Cutting**

5 CNC Procedure : **Milling**



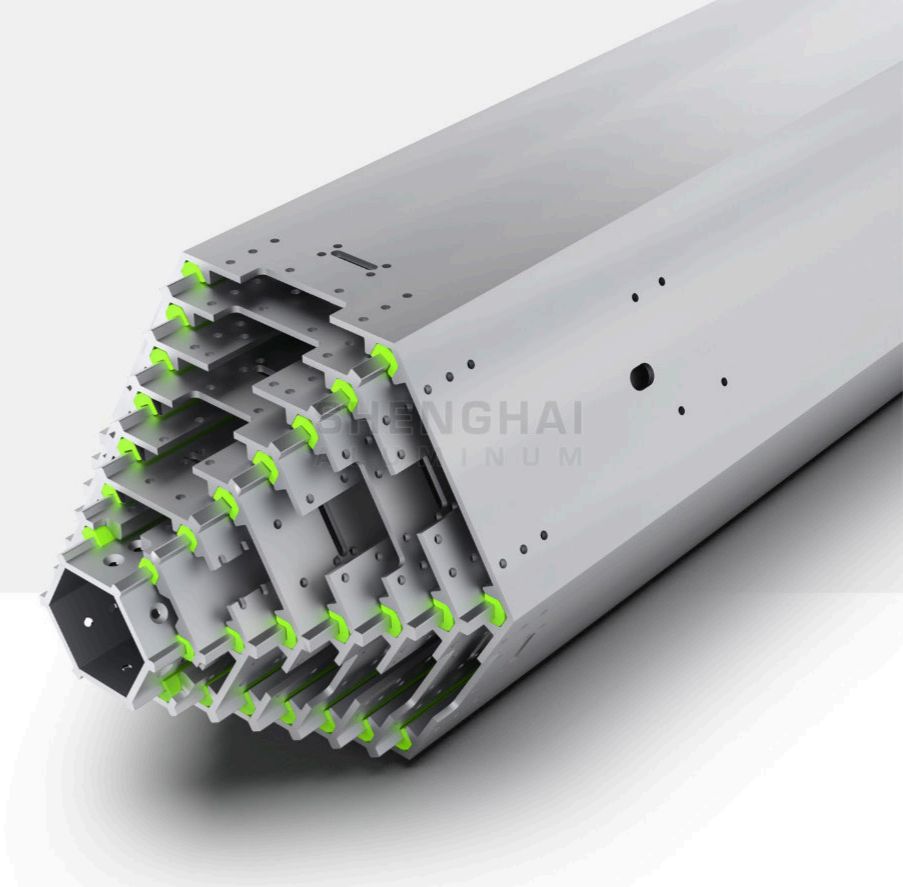
6 CNC Procedure : **Hard Black Anodizing**

Anodize thickness can up to be 50µm, not easy to scratch

7 CNC Procedure : **CNC Laser**

Telescopic Pole

Country : South America



Product CNC Procedure

- ✓

Precise Cutting
- ✓

High Precision Punching
- ✓

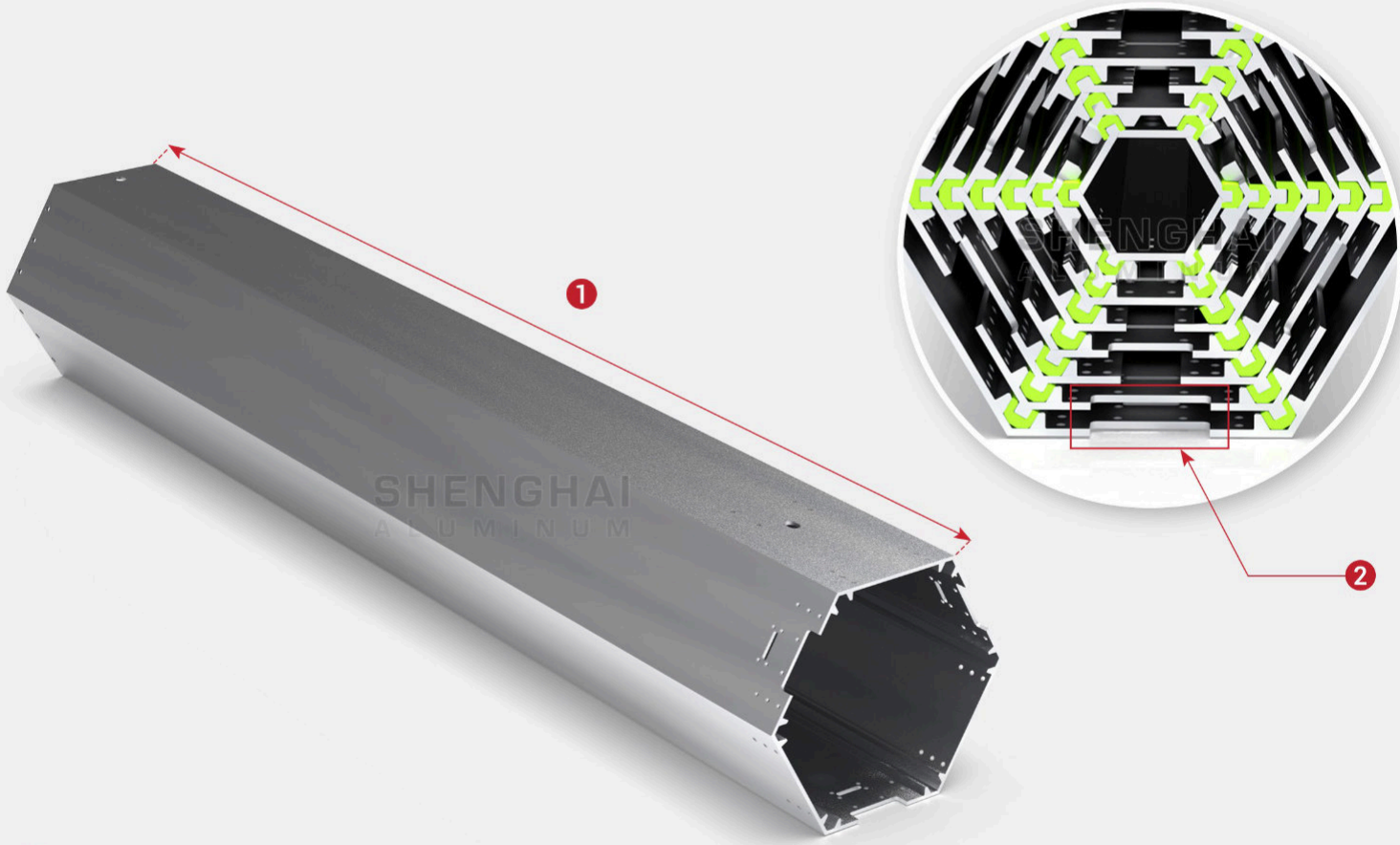
Drilling
- ✓

Milling
- ✓

Chamfer



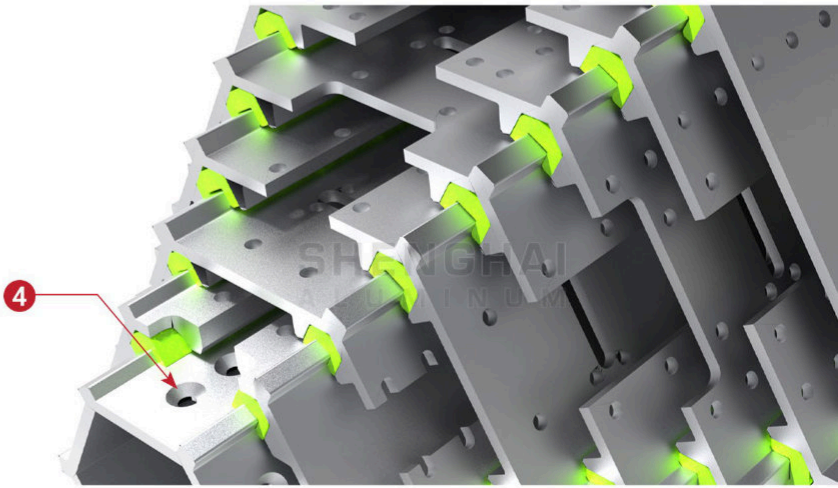
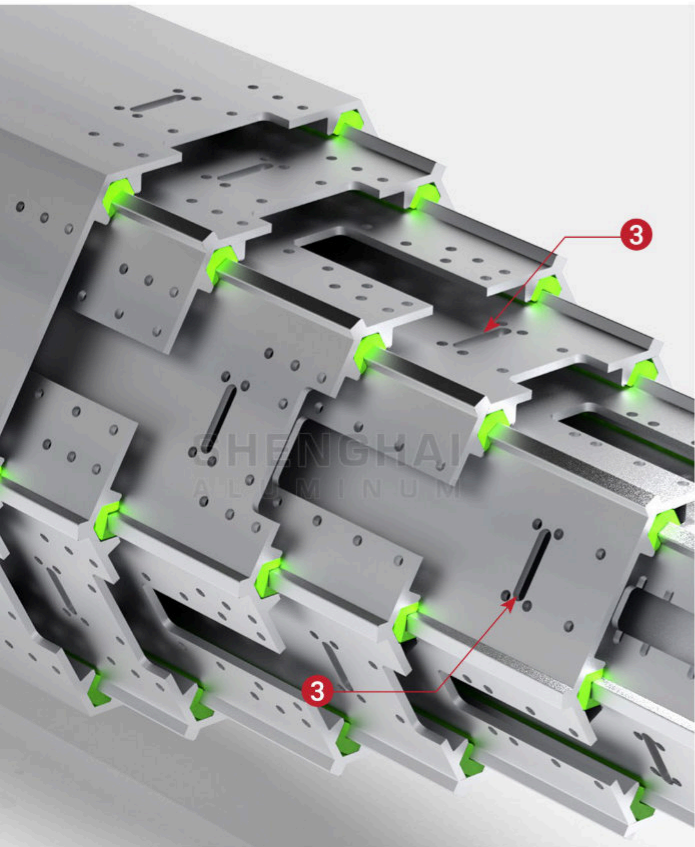
* Finished Product Application



1 CNC Procedure : Precision Cutting (±0.02mm)

Precise cutting is carried out according to the required length, and the tolerance of precise cutting can be controlled at 0.02 mm.

2 CNC Procedure : Milling



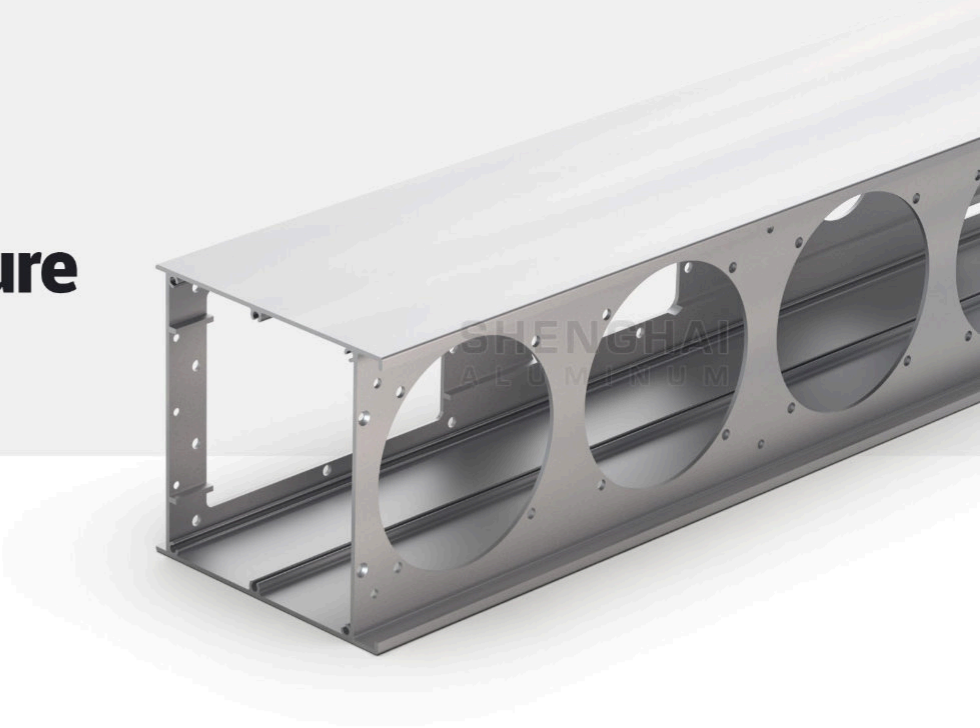
3 CNC Procedure : High Precision Punching

What is very powerful is that this set of processing is very complicated, and the processing of **six faces** is different, which requires processing and debugging one by one.

4 CNC Procedure : Drilling + Chamfer

Speaker Enclosure

Country : Spain



Product CNC Procedure

- ✓

Precesion Cutting
- ✓

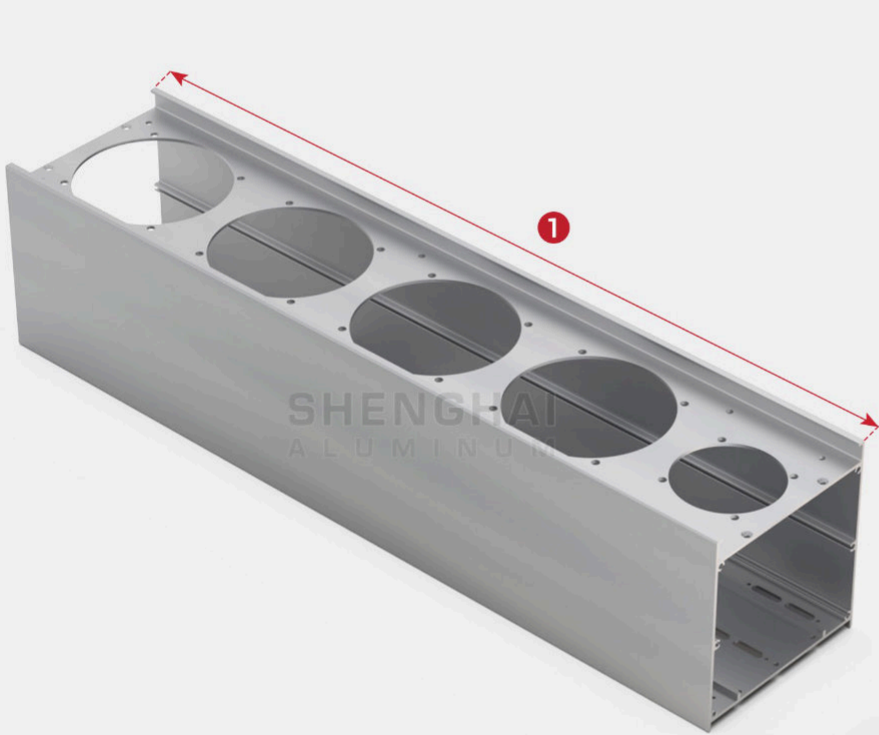
CNC Milling Big Round Hole
- ✓

Drilling Threading
- ✓

Milling



* Finished Product Application

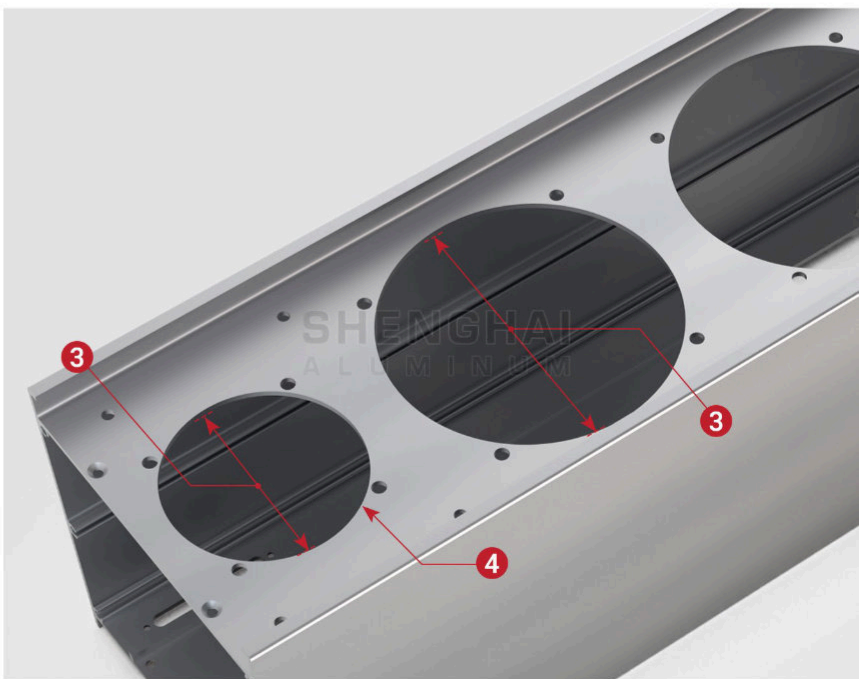
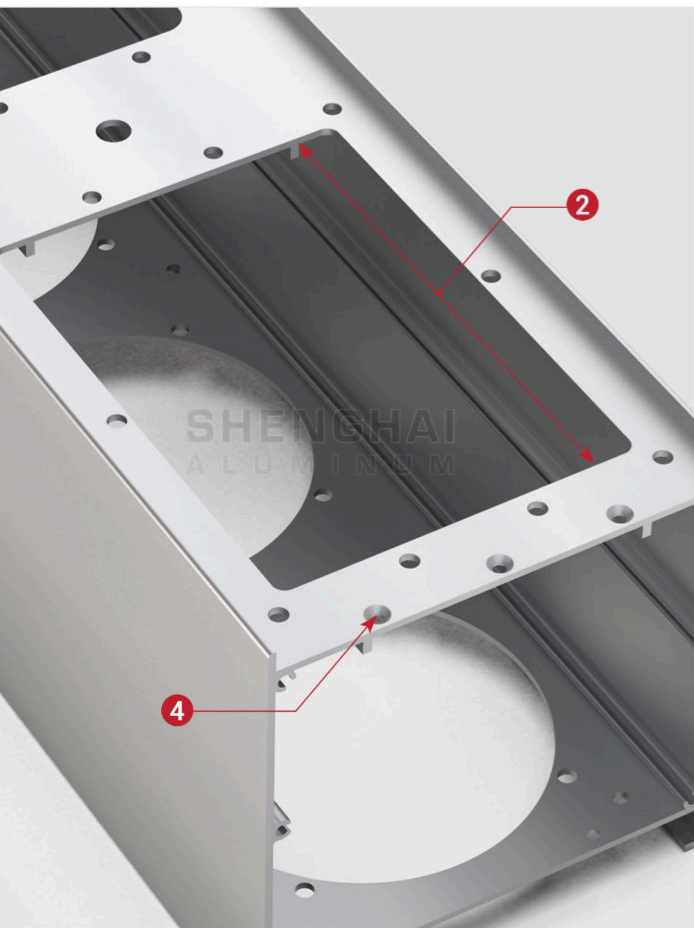


1 CNC Procedure : Precision Cutting

A big square profile make of big mould and then precisely cut to the required length.



2 CNC Procedure : Milling

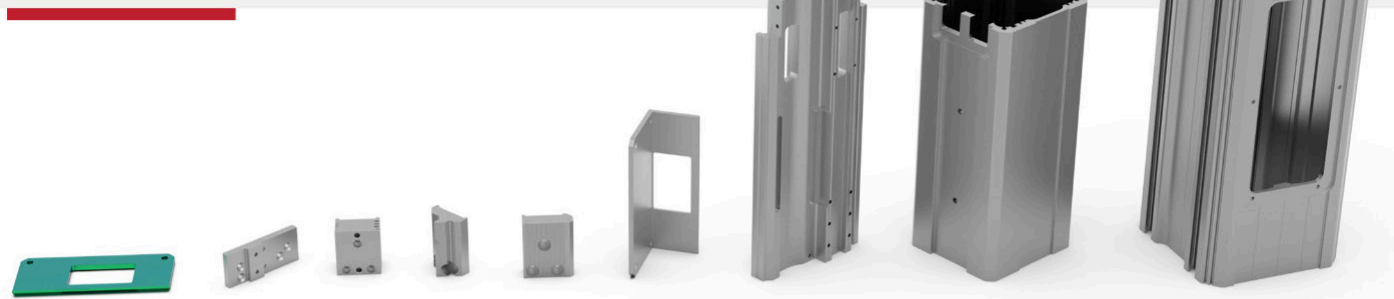


3 CNC Procedure : CNC Milling Big Round Hole

4 CNC Procedure : Drilling Threading

Aluminum Camera Elements

Country : Germany



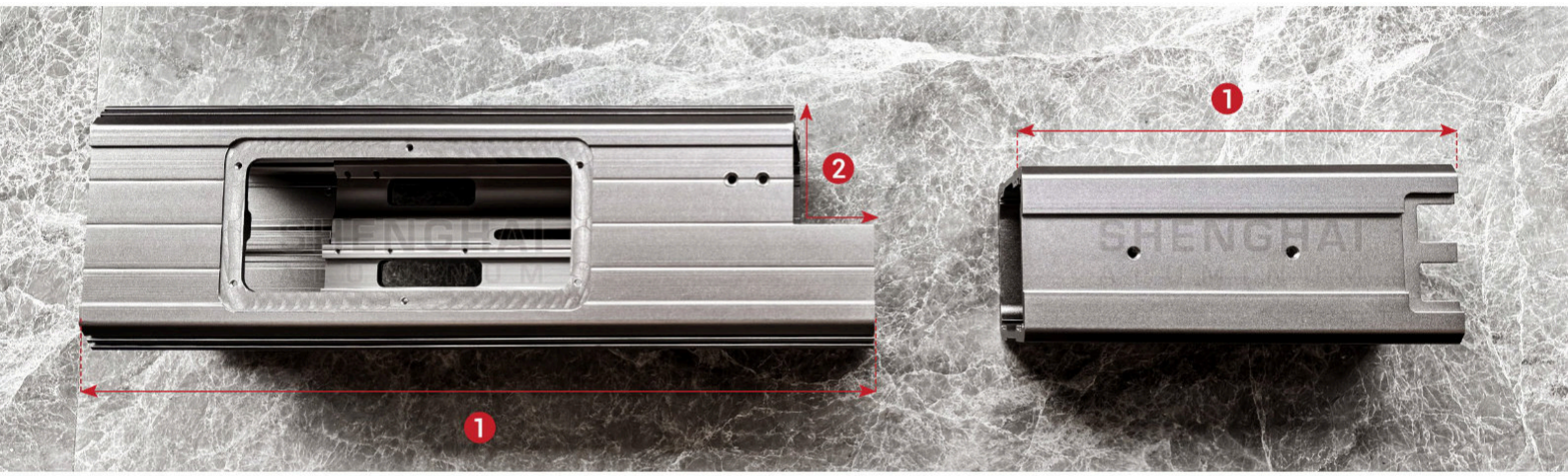
Product CNC Procedure

- ✓ Precise Cutting
- ✓ Drilling
- ✓ Milling
- ✓ Chamfer
- ✓ Tapping
- ✓ Short Profile Anodized

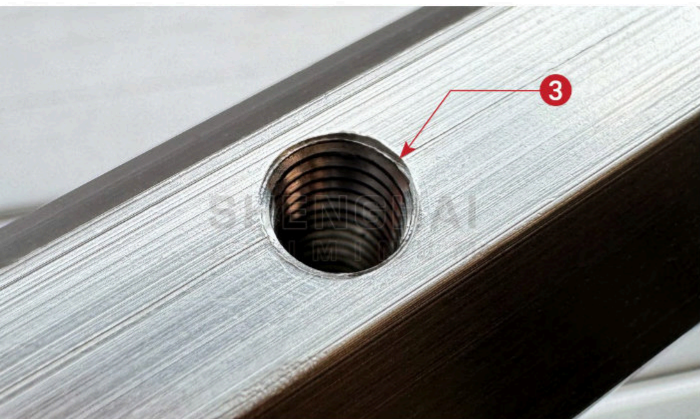


* Finished Product Application

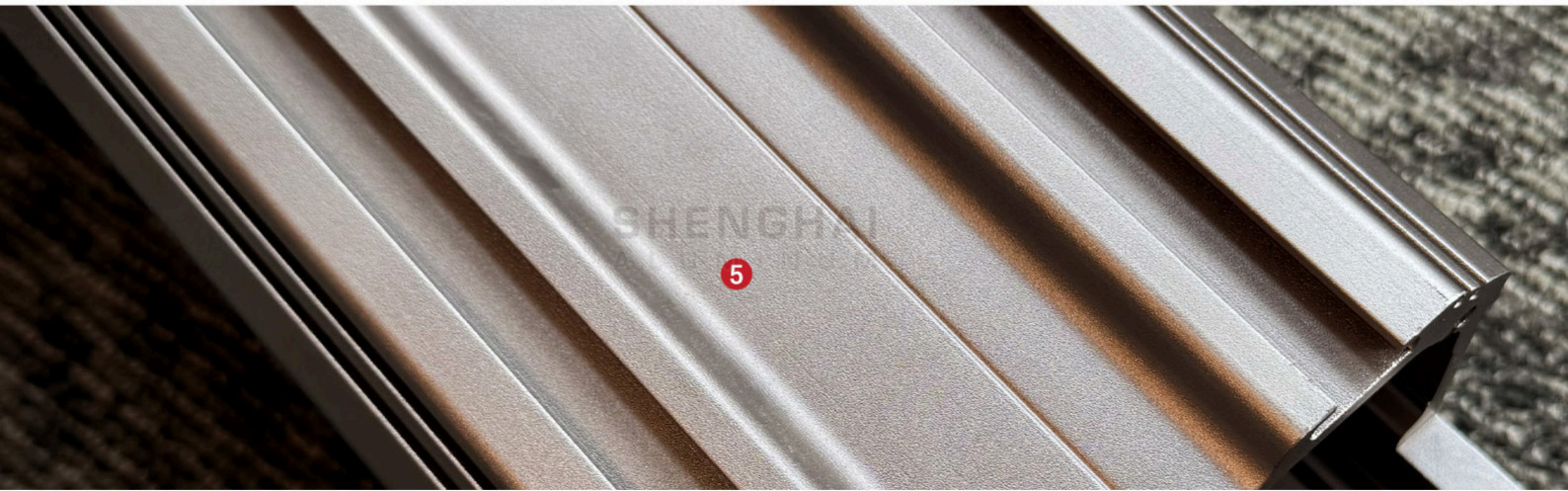
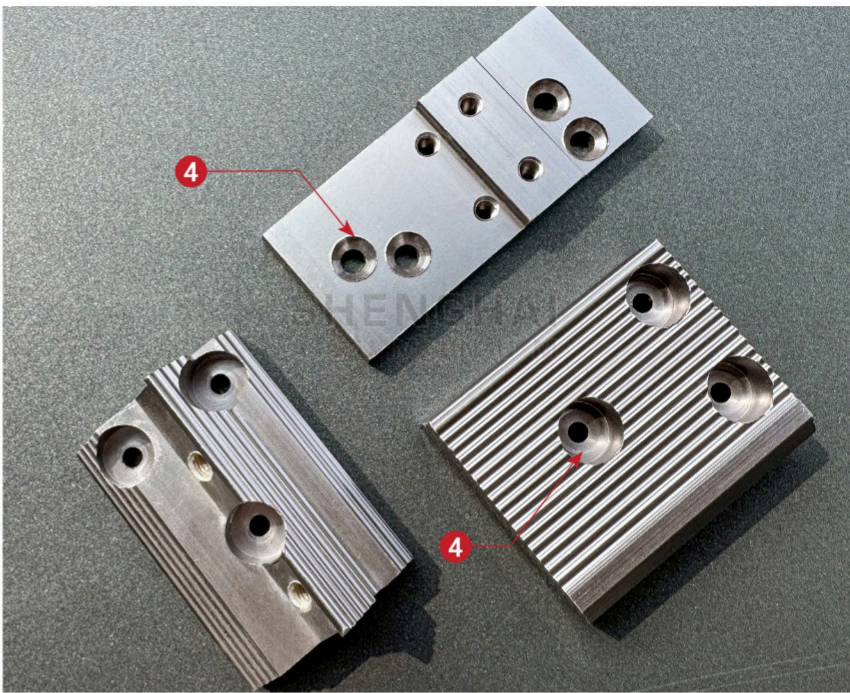
FINISHED PRODUCT DETAILS



- ① CNC Procedure : Precision Cutting
- ② CNC Procedure : Milling



- ③ CNC Procedure : Tapping
- ④ CNC Procedure : Drilling + Chamfer
- ⑤ CNC Procedure : Anodized



Aluminum Birdcage-Shaped Outdoor Pavilion

Country : Singapore

Product CNC Procedure

- ✓ Precise Cutting
- ✓ Bending
- ✓ Welding
- ✓ Turning
- ✓ Shaping
- ✓ Assembling



* Finished Product Application

FINISHED PRODUCT DETAILS



1 CNC Procedure : **Precise Cutting**

2 CNC Procedure : **Bending**



3 CNC Procedure : **Welding**

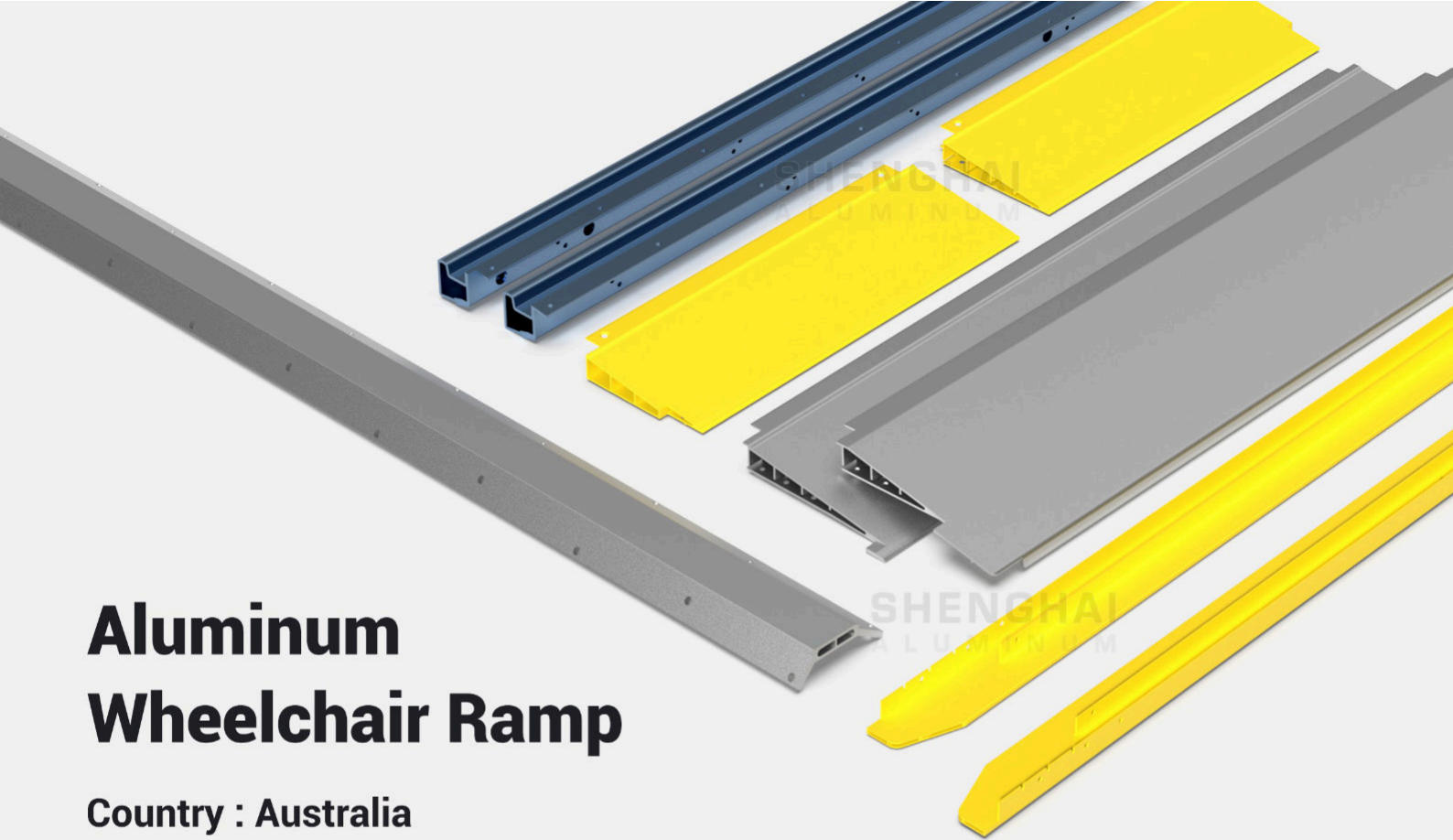
4 CNC Procedure : **Turning**

5 CNC Procedure : **Shaping**



6 CNC Procedure : **Assembling**

7 The product adopts **fluorocarbon spraying**, which is characterized by corrosion resistance and long warranty period

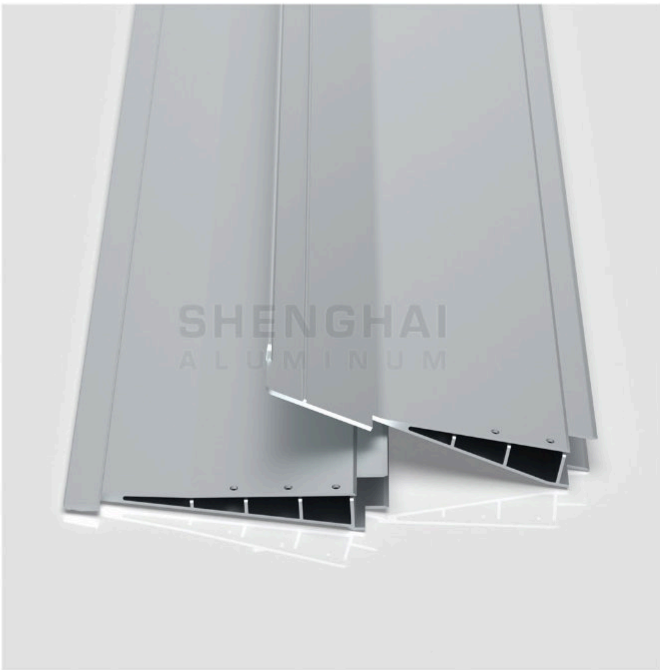
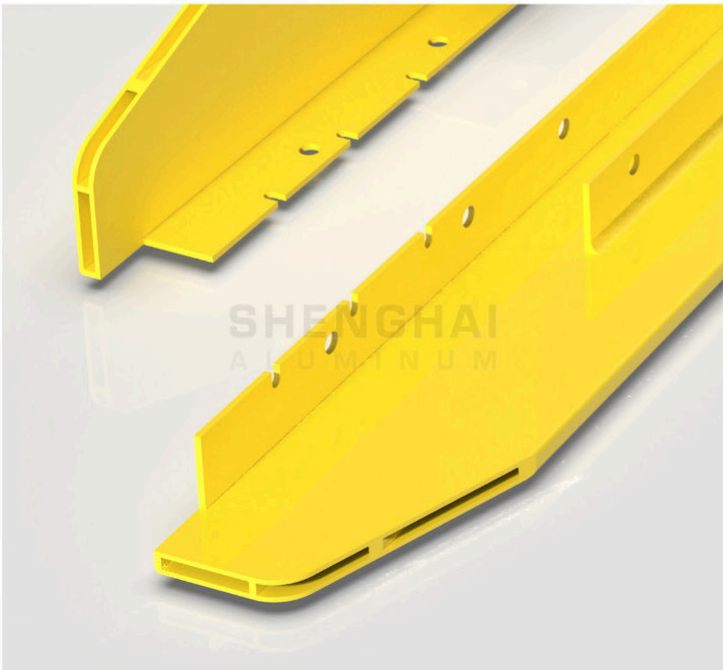


Aluminum Wheelchair Ramp

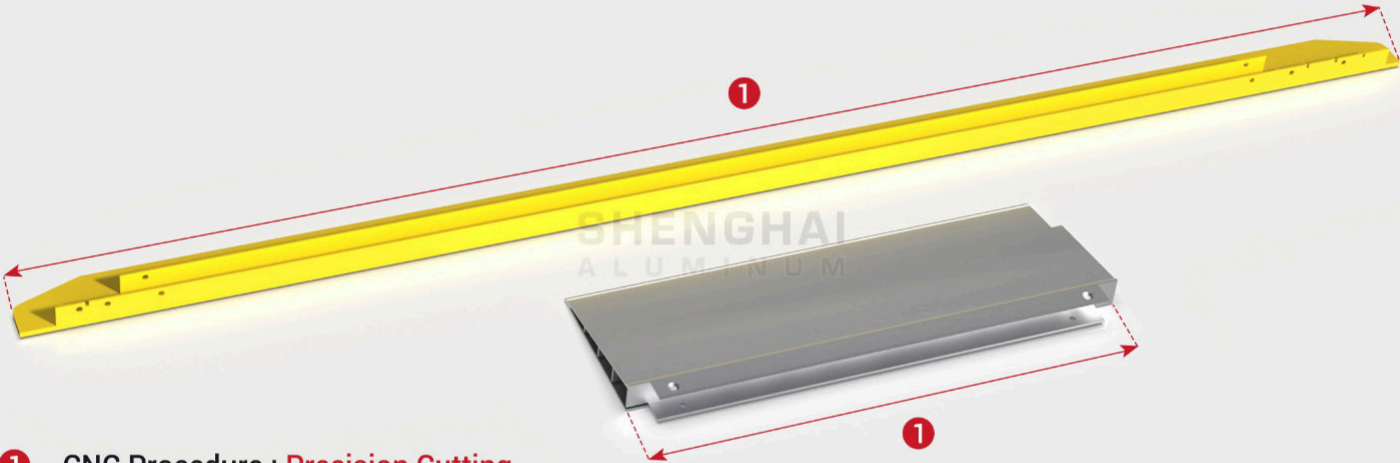
Country : Australia

Product CNC Procedure

- ✓ Precesion Cutting
- ✓ Drilling Threading
- ✓ Milling
- ✓ Chamfer

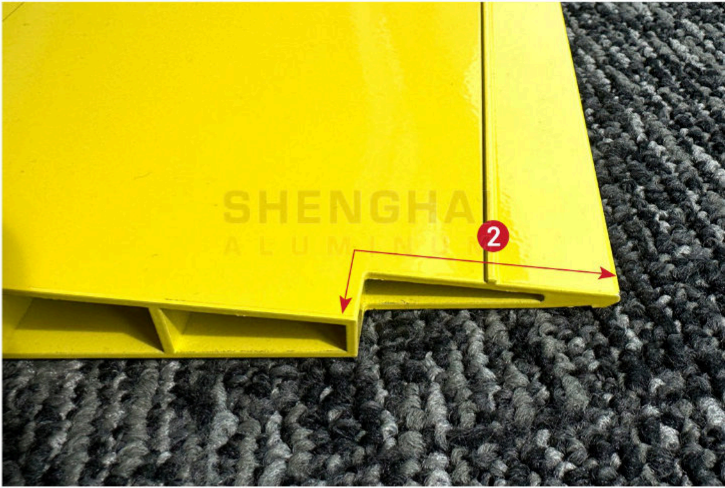
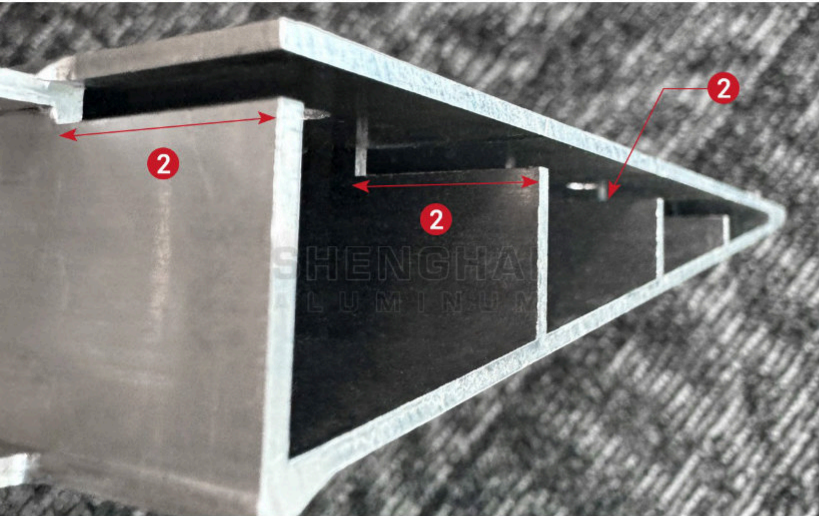
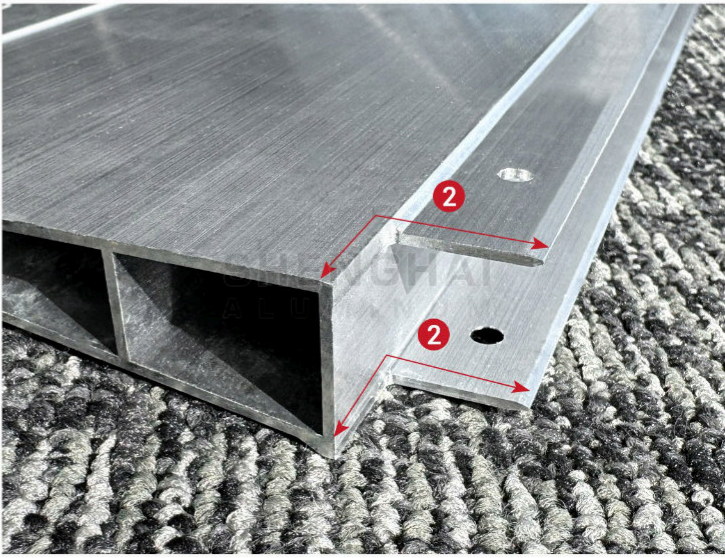
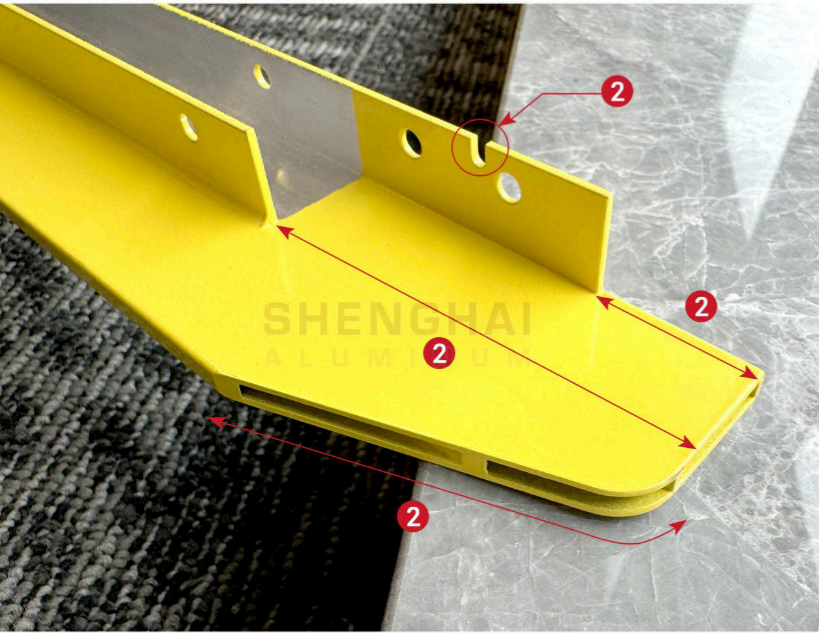


FINISHED PRODUCT DETAILS

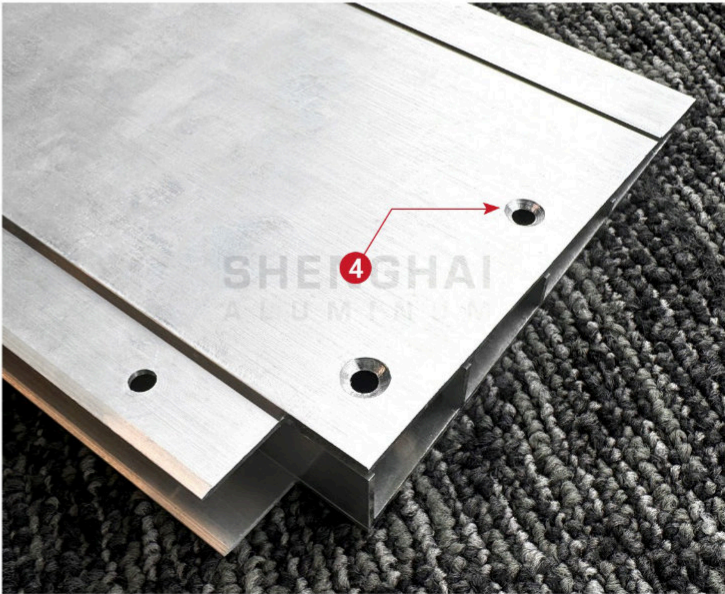
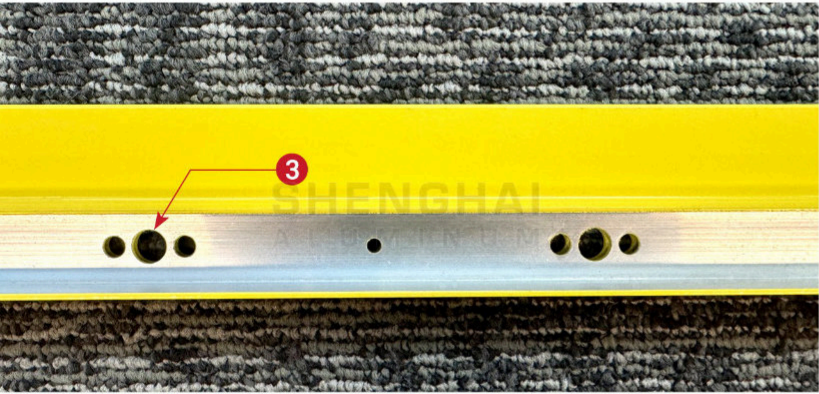


1 CNC Procedure : Precision Cutting

These products are the ramp of wheelchairs, Made of 6061-T6 aluminum profile, with a hardness of up to 14HW.



2 CNC Procedure : CNC Milling



3 CNC Procedure : Drilling Threading

4 CNC Procedure : Drilling + Chamfer

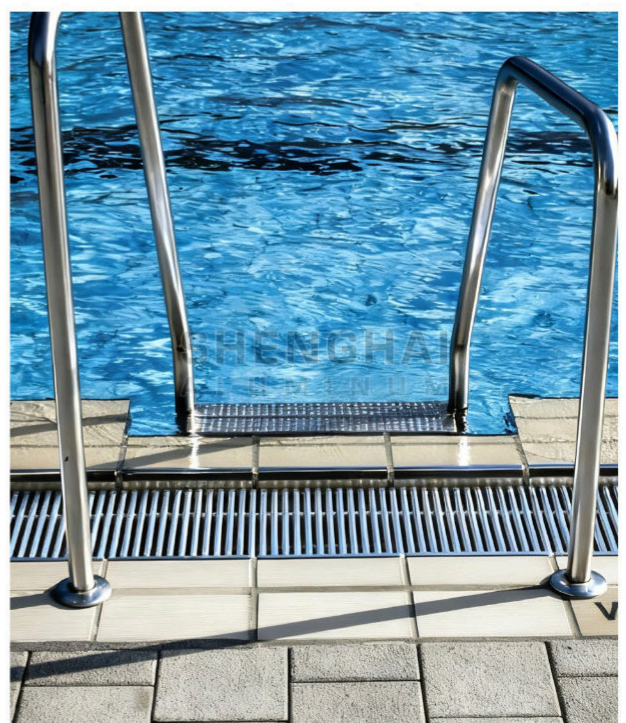


Aluminium Grate

Country : Australia

Product CNC Procedure

- ✓ Precise Cutting
- ✓ Milling
- ✓ Punching
- ✓ CNC Laser
- ✓ Anodized

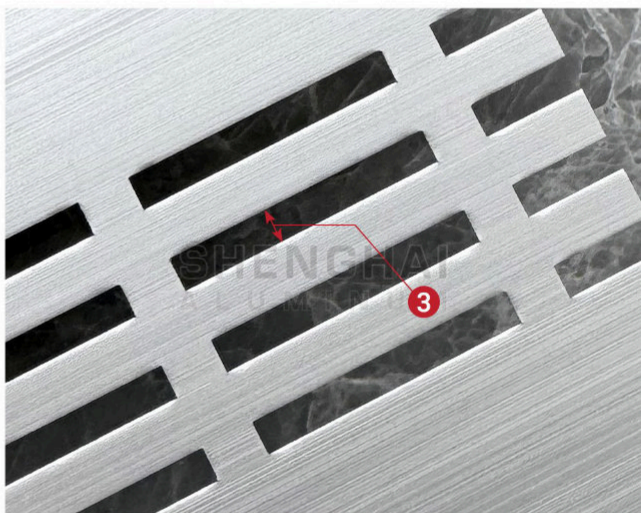


* Finished Product Application

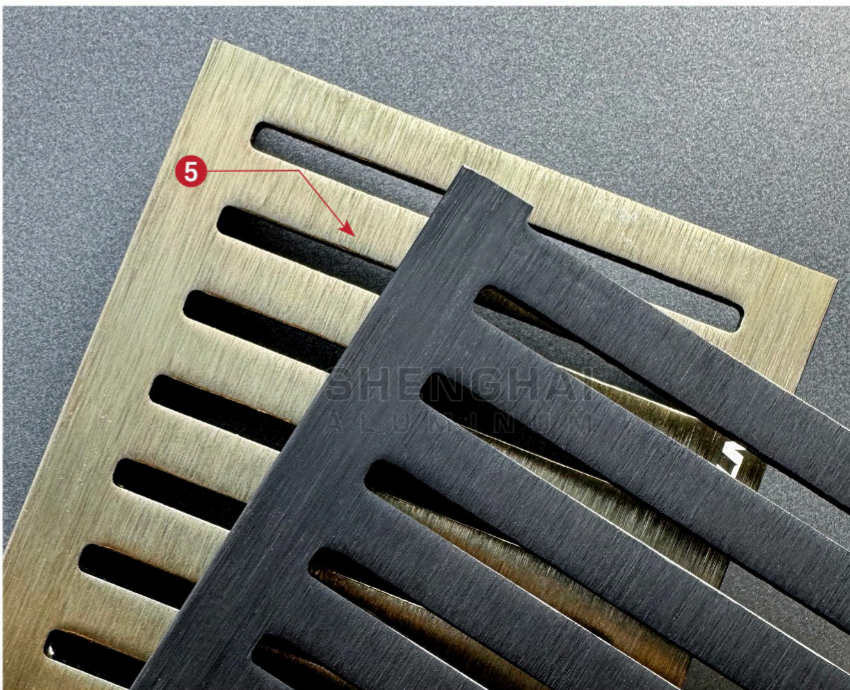
FINISHED PRODUCT DETAILS



- 1 CNC aluminum plate processing : **Cutting**
- 2 CNC Procedure : **Milling**



- 3 CNC Procedure : **Punching**



- 4 CNC Procedure : **CNC Laser**
- 5 CNC Procedure : **Anodized**

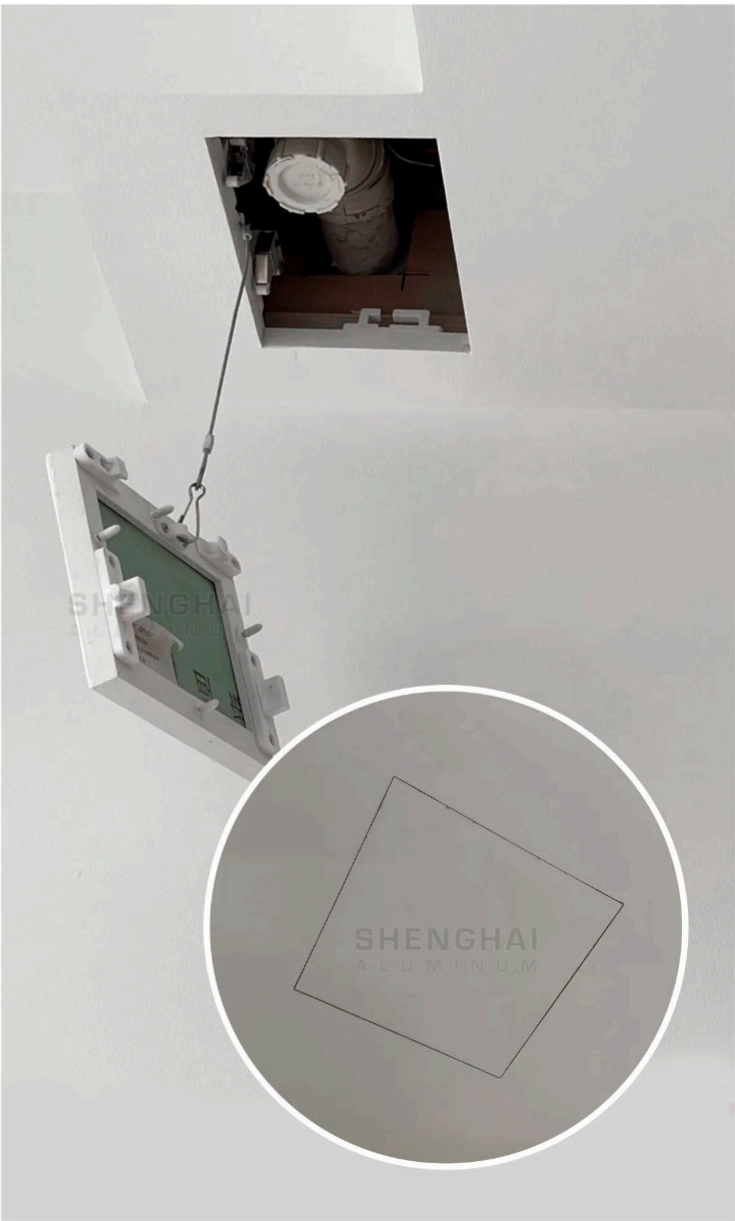
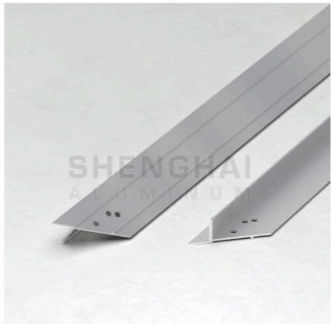
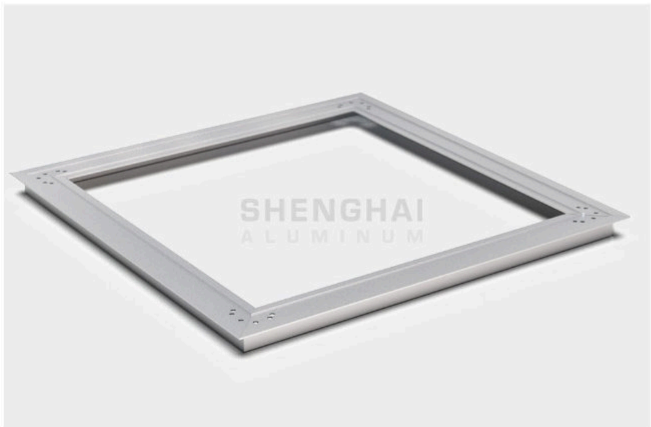
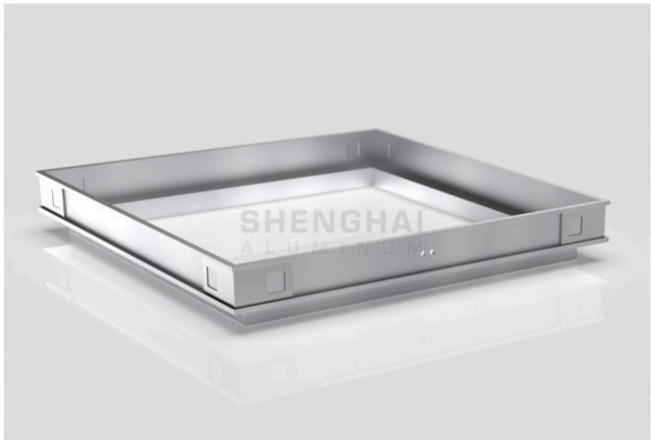
Ceiling Inspection Hatch

Country: India

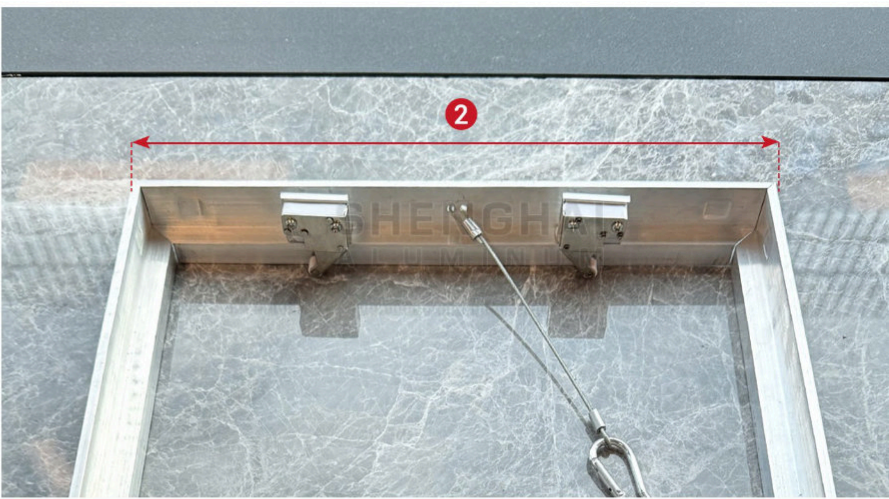
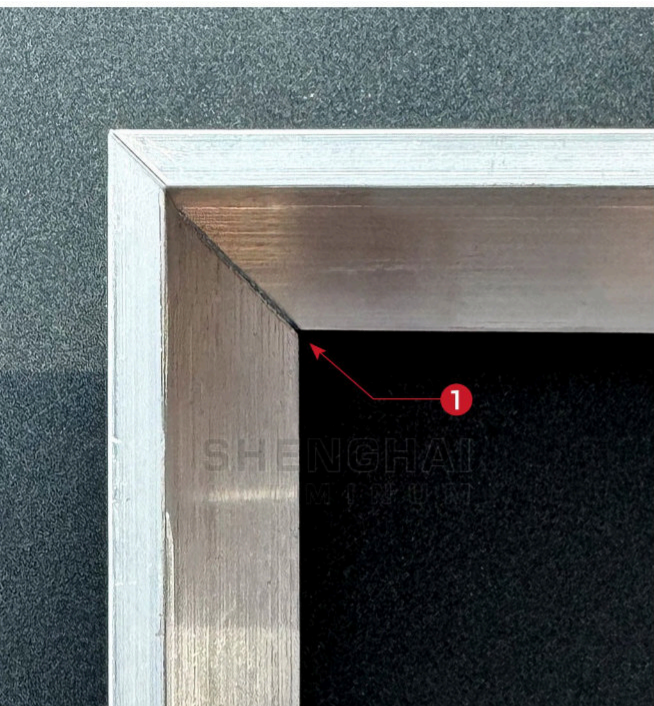


Product CNC Procedure

- ✓ Precise Cutting
- ✓ Holes Punching
- ✓ Assembling
- ✓ Stretch Forming

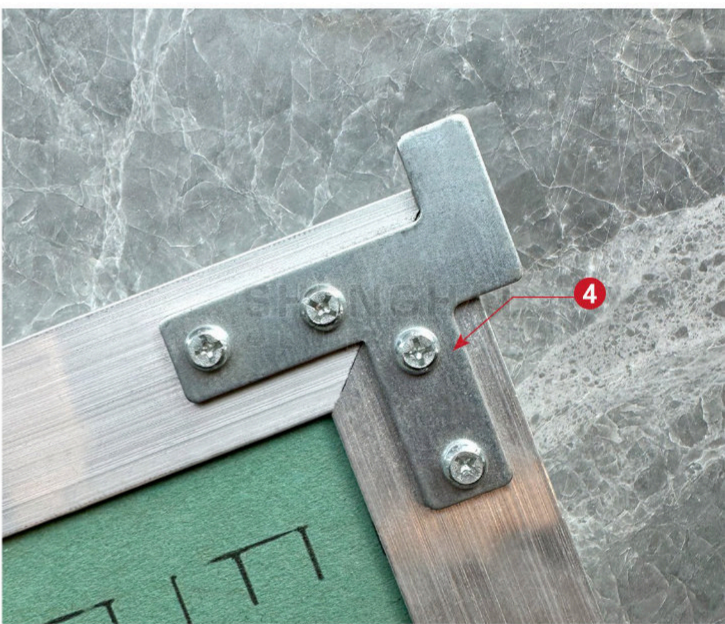
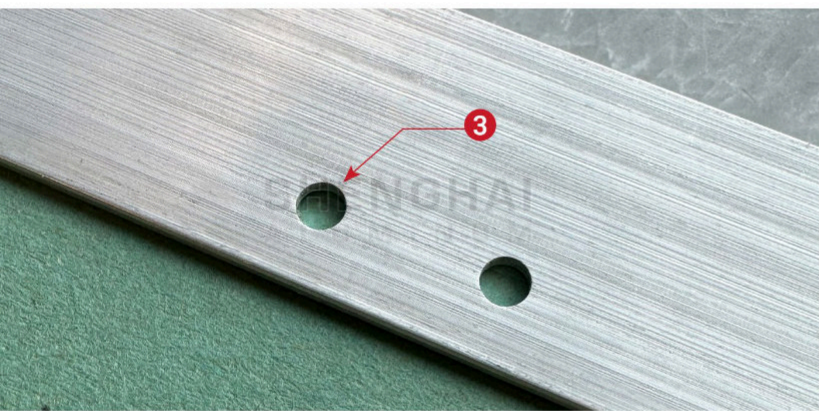


FINISHED PRODUCT DETAILS



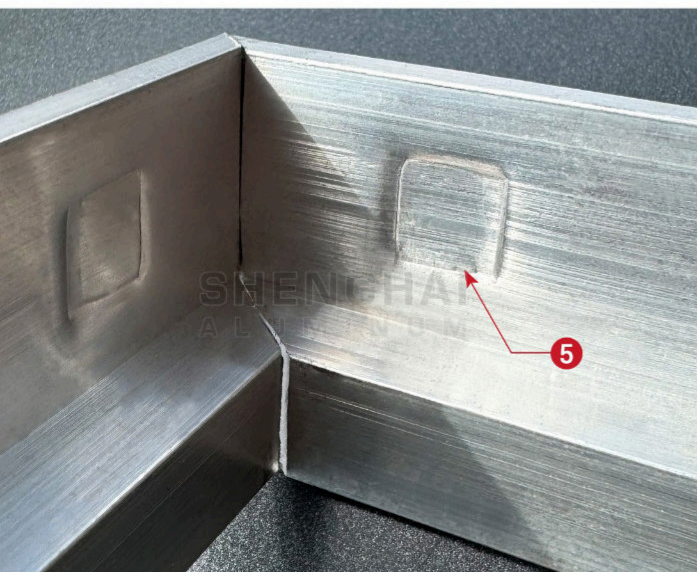
① CNC Procedure : 45° Precise Cutting

② CNC Procedure : Precise Cutting



③ CNC Procedure : Punching

④ CNC Procedure : Assembling



⑤ CNC Procedure : Stretch Forming

The stretching program is carried out according to the hole positions of the accessories to achieve the effect of fixing the accessories

Wall Panel Fixed Aluminum Bracket

Country : South America



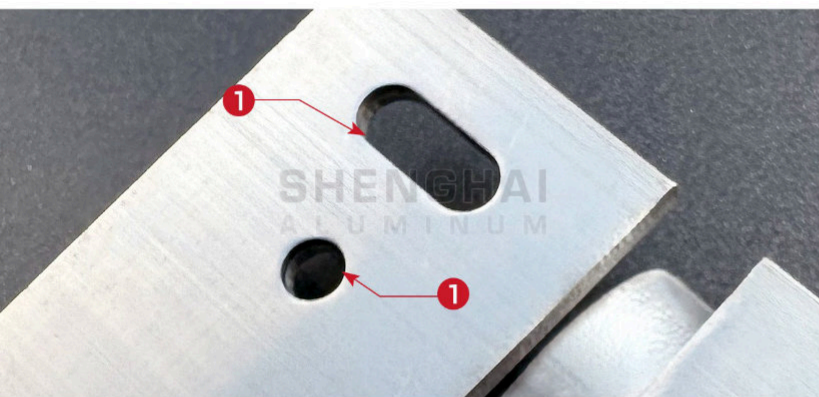
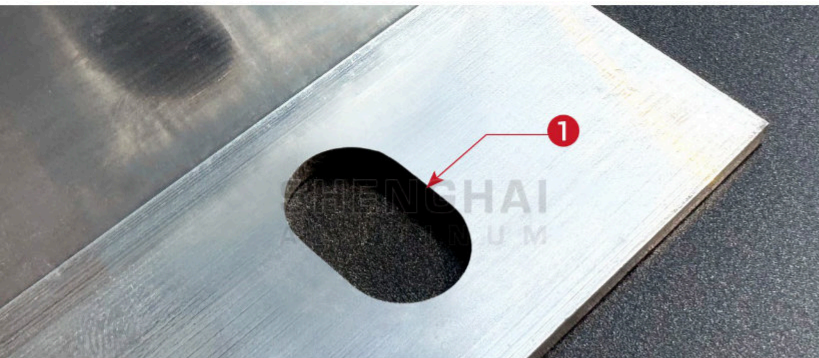
Product CNC Procedure

- ✓ Precise Cutting
 - ✓ Punching
 - ✓ Bending
-
- ✓ High Precision (9mm and 11mm)



* Finished Product Application

FINISHED PRODUCT DETAILS



- 1 CNC Procedure : **Punching**
- 2 CNC Procedure : **Precision Cutting**



- 3 CNC Procedure : **High Precision**
Inner width can be different size by CNC (9mm and 11mm)
- 4 CNC Procedure : **Bending**



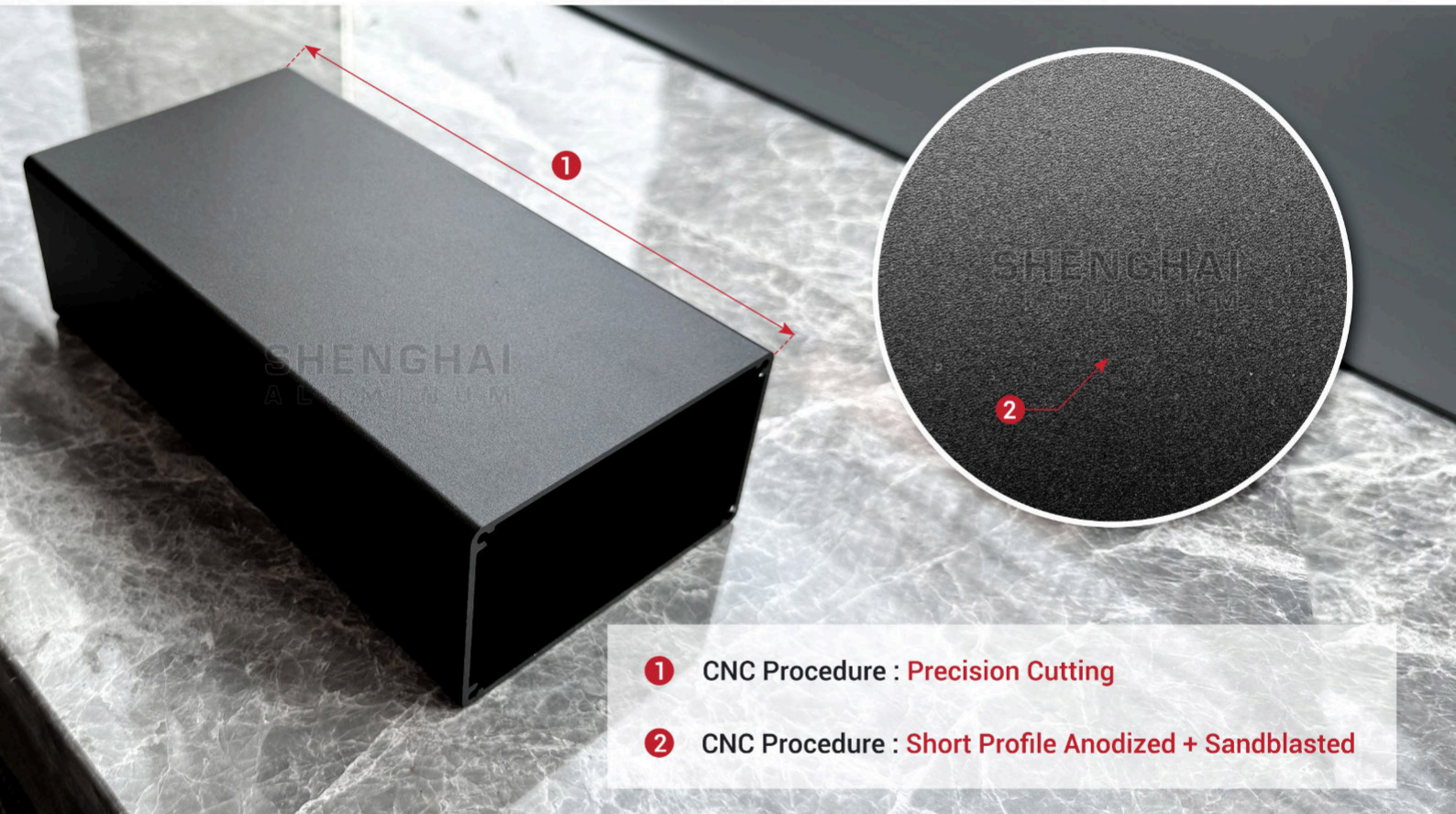
Aluminium Housing Profile Enclosure

Country : Espana

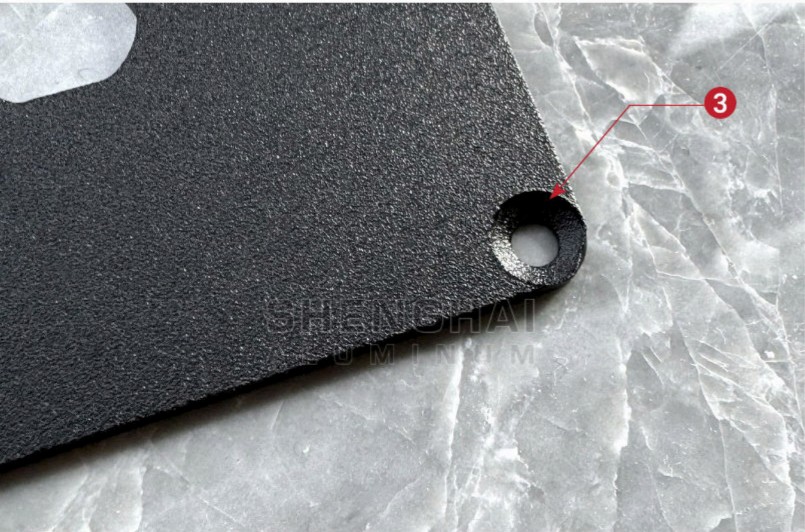


Product CNC Procedure

- ✓ Precise Cutting
- ✓ Drilling
- ✓ Punching
- ✓ Chamfer
- ✓ Sandblasted
- ✓ Short Profile Anodized



- 1 CNC Procedure : Precision Cutting
- 2 CNC Procedure : Short Profile Anodized + Sandblasted



- 3 CNC Procedure : Drilling + Chamfer
- 4 CNC Procedure : Punching

Electronic Cigarettes Aluminum Shell

Country : Singapore



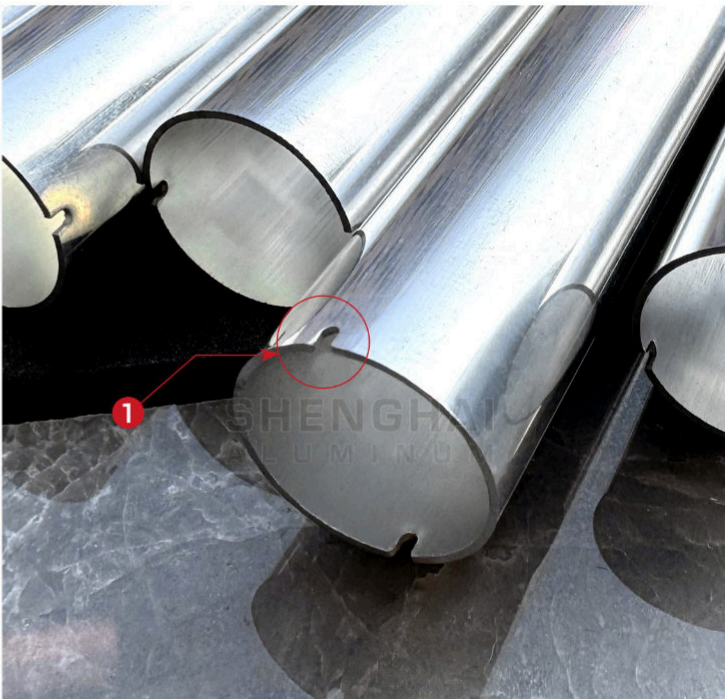
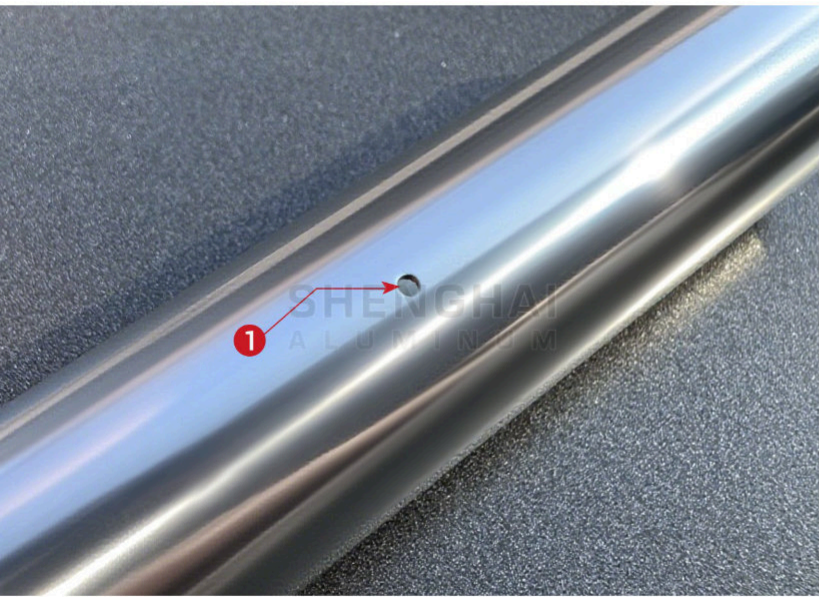
Product CNC Procedure

- ✓ Precise Cutting ($\pm 0.05\text{mm}$)
- ✓ Drilling
- ✓ Stamping
- ✓ Anodized / Spray Painting



* Finished Product Application

FINISHED PRODUCT DETAILS



1 CNC Procedure : Drilling



2 CNC Procedure : Precision Cutting ($\pm 0.05\text{mm}$)

3 CNC Procedure : Stamping

Made of 3003 aluminum plate, punched by a stamping die and a punching machine

4 Anodized or Spray Painting



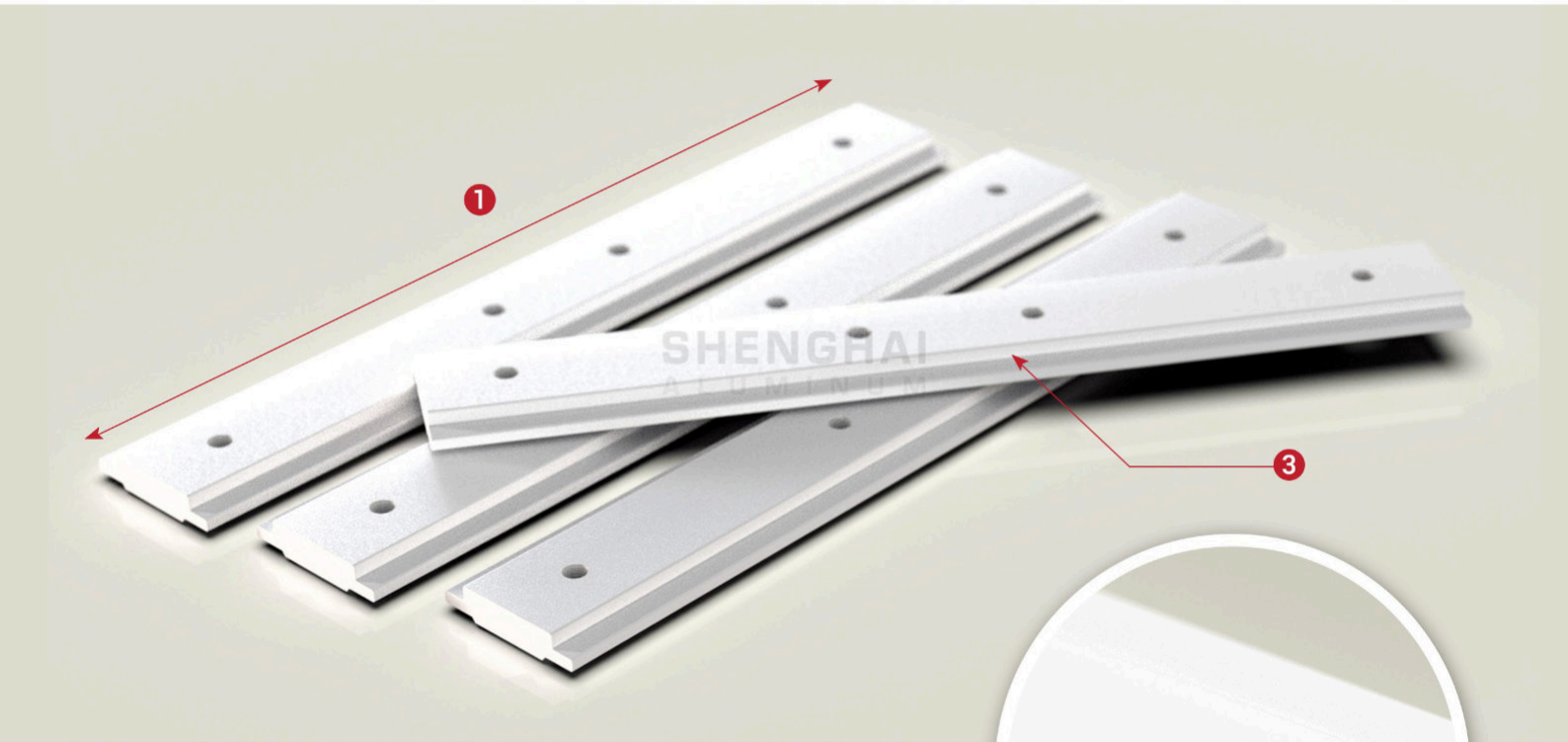
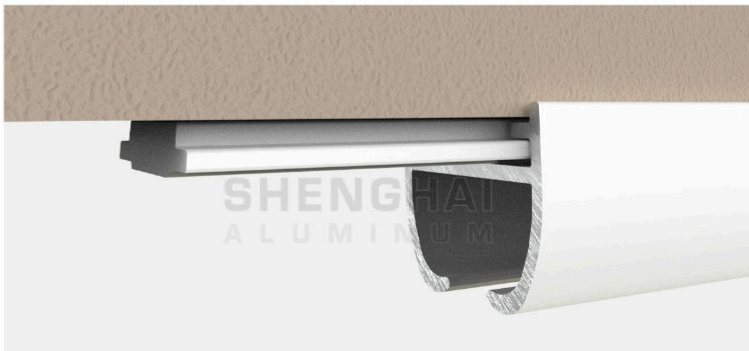
Aluminum Curtain Profile

Country : Australia



Product CNC Procedure

- ✓ Precise Cutting
- ✓ Drilling
- ✓ Sandblasted
- ✓ Anodized Silver Matt



- 1 CNC Procedure : Precision Cutting
- 2 CNC Procedure : Drilling
- 3 Procedure : Sandblasted + Anodized Silver Matt

