



## Customized CNC Machining Industrial Aluminium Profiles For Mechanical Arm / Automation Equipment

### Our Product Introduction

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#### Basic Information

- Place of Origin: China
- Brand Name: MetalPlus
- Certification: CA ,CE
- Minimum Order Quantity: 500pcs
- Packaging Details: Ep paper ,kraft ,pallet
- Delivery Time: 20days
- Payment Terms: T/T ,L/C
- Supply Ability: 100 000ton each month



#### Product Specification

- Material: Aluminum Alloy
- Surface: Anodized
- Color: Natural
- Temper: 6063 T5
- Deep Process: Cutting ,Drilling ,Milling
- Packing: Pallet ,Wooden Case
- Highlight: **Customized CNC machining Industrial Aluminium Profiles , Mechanical Arm Industrial Aluminium Profiles, Automation Equipment Industrial Aluminium Profiles**



## Product Description

### Customized CNC machining Industrial Aluminium Profiles For Mechanical Arm / Automation Equipment

#### Description:

|                   |   |
|-------------------|---|
| Product Name      | Industrial aluminium profile/ aluminum extrusion  |
| Material          | 6063 aluminium alloy  |
| Temper            | T3-T8   |
| Surface treatment | Mill finish, powder coating, anodizing, wooden grain coating, polishing, eletrophoresis, PVDF, sanding blasting, etc.   |
| Shape             | Round, Hollow profile, Oval, Tube, Flat, Triangle, Square, Rectangle, Rectangular, Pentagon Pentagonal, hexagon hexagonal, heptagon heptagonal, octagon octagonal, trapezoid trapezoidal, Diamond, Wave-shape, Curve-shape, U-profile, L-profile, T-profile, H-profile, and any customized design |
| Color             | Natural silver,Black , can be customized.   |
| Surface           | Mill finish, Anodizing, Sand Blasting, Powder coating, etc.   |
| Deep processing   | Cutting, Drilling, Treading, Bending, etc.  |
| Application       | Mechanical Arm /Robot Arm Beam/ Automation Equipment  |
| Certification     | ISO9001   |

#### Applications:

Industry Aluminum profile used in cars, trains machinery ,electronics, medical and other industrial filed . In terms of hardware, machinery, electromechanical parts, solar PV products, aluminum frames are adopt as important auxiliary materials. We also have aluminum profiles for radiators, fitness machinery, buildings, lighting instrument, windpipes, oil pipelines, for instance.

#### Specifications:

##### 1.Primary Technical Data

###### 1)Chemical composition

| Alloy | Si      | Fe      | Cu       | Mn   | Mg       | Cr        | Zn   | Ti   | Impurity | Al   |
|-------|---------|---------|----------|------|----------|-----------|------|------|----------|------|
| 6063  | 0.2-0.6 | 0.35    | 0.1      | 0.1  | 0.45-0.9 | 0.1       | 0.1  | 0.1  | 0.15     | Rest |
| 6061  | 0.4-0.8 | 0.7     | 0.15-0.4 | 0.15 | 0.8-1.2  | 0.04-0.35 | 0.25 | 0.15 | 0.15     | Rest |
| 6060  | 0.3-0.6 | 0.1-0.3 | 0.1      | 0.1  | 0.35-0.6 | -         | 0.15 | 0.1  | 0.15     | Rest |
| 6005  | 0.6-0.9 | 0.35    | 0.1      | 0.1  | 0.40-0.6 | 0.1       | 0.1  | 0.1  | 0.15     | Rest |

###### 2)Mechanical property

| Alloy | Temper | Tensile strength | Yield strength | Elongation |
|-------|--------|------------------|----------------|------------|
| 6063  | T5     | ≥ 160Mpa         | ≥ 110Mpa       | ≥ 8%       |
|       | T6     | ≥ 205Mpa         | ≥ 180Mpa       | ≥ 8%       |
| 6061  | T6     | ≥ 265Mpa         | ≥ 245Mpa       | ≥ 8%       |

##### 2.Specifications:

Excellent material for smooth and subtle edges.

Elegant appearance.

Surface treatment: colorful anodized ,powder painting or electrostatic powder coated.

Suitable for constructions and other industrial purposes.

Customized surface finishes are welcome.

#### Competitive Advantage:


1)Engineering design and support.

- 2) Aluminum profiles deeply processing: cutting, punching, drilling, milling, and fabricating.
- 3) High Quality system, strictly inspection during production and whole inspection before package.
- 4) Good performance, product warranty for 15 years.



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