



PRODUCTS

OSFP Thermal Solutions

Passive Cooling (Heatsink)

- Bonded Fin Heatsink
- Crimped Heatsink
- Extruded Heatsink
- Skived Fin Heatsink
- Stacked/Zipper Fin Heatsink
- BGA Heatsink

Active Cooling (Fan)

- AC Fans
- DC Fans
- DC Blowers
- DC Impellers
- Crossflow Fans
- Frameless DC Fans

Metal Fabrications

- CNC Machining
- Die Casting
- Extrusion
- Plastic Injection Molding
- Sheet Metal

Cold Plates

Heat Pipes

Vapor Chambers

Air Filtration

Friction Stir Welding

Extrusion – Precision Extrusion Manufacturing for Diverse Industries

Cofan's **extrusion process** is an advanced manufacturing method used to produce objects with a **fixed cross-sectional profile** by pushing or drawing material through a precisely engineered die. The material—often **aluminum, plastic, or ceramic**—is sometimes heated to a pliable state before being shaped. As the material exits the die, it takes on the exact cross-sectional shape defined by the mold.

This process can be **continuous**, producing long lengths of material, or **semi-continuous**, creating multiple individual pieces. By altering the die design, extrusion enables the creation of **complex geometries** that are difficult or impossible to achieve with other methods.

Key Advantages of Cofan's Extrusion

- **Complex Shape Production** – Ability to manufacture intricate profiles with high dimensional accuracy.
- **High Production Efficiency** – Fast throughput and reduced waste.
- **Material Versatility** – Works with a wide range of metals, plastics, and composites.
- **Consistent Quality** – Precision manufacturing ensures uniformity across batches.

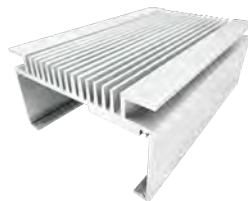
Product Information

- Process: Extrusion
- Material: Aluminum 6061
- Application: Metal Parts
- Finish: Clear Anodizing
- Part No: 301-900091-001



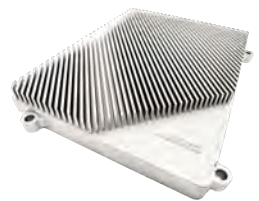
Product Information

- Process: Extrusion
- Material: Aluminum 6061
- Application: Metal Parts
- Finish: Clear Anodizing
- Part No: 301-900092-002



Product Information

- Process: Extrusion
- Material: Aluminum
- Application: Thermal Management
- Finish: Clear Anodizing
- Part No: 301-900081-003



Product Information

- Process: Extrusion
- Material: Aluminum 6061
- Application: Thermal Management

Product Information

- Process: Extrusion
- Material: Aluminum
- Application: Thermal Management

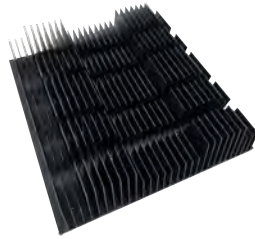
Product Information

- Process: Extrusion
- Material: Aluminum
- Application: Thermal Management

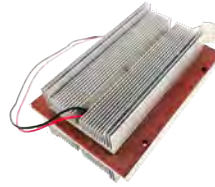
Thermal Pad / Grease

MCPCBs

- Finish: Black Anodizing
- Part No: 301-900083-005



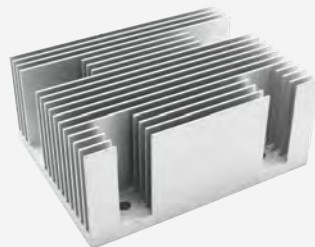
- Finish: Clear Anodizing
- Part No: 301-900073-004



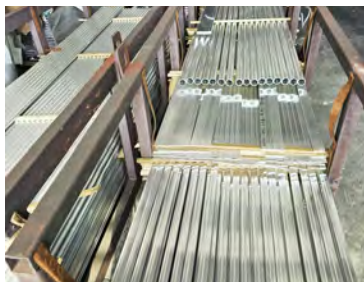
- Finish: Clear Anodizing
- Part No: 301-900063-002



- MORE PRODUCTS -



- COFAN'S EXTRUSION PROCESSES -



Industry Applications of Cofan's Extrusion Technology

1. Automotive Industry

- **Structural Components** – Extruded aluminum parts for **bumper beams, crash management systems, roof rails, and chassis frames** provide strength while reducing vehicle weight, enhancing both safety and fuel efficiency.
- **Sealing Systems** – Rubber extrusions for **weatherstrips, gaskets, and door/window seals** offer superior noise reduction and weather protection.

2. Electronics & Electrical

- **Heat Sinks** – Extruded aluminum heat sinks efficiently dissipate heat in **computers, LED lighting, and power electronics**.
- **Cable Insulation** – Protective coatings made via extrusion using **PVC, polyethylene, or silicone** ensure cable durability and safety.

3. Medical & Pharmaceutical

- **Medical-Grade Tubing** – High-precision extrusion for **catheters, IV lines, and respiratory devices**, meeting strict biocompatibility standards.
- **Controlled-Release Drug Delivery** – Specialized extruded polymers used in pharmaceutical delivery systems.

4. Aerospace Industry

- **Lightweight Structural Components** – High-strength extruded aluminum used in **aircraft frames, wing structures, and fuselage parts** reduces weight without compromising safety.
- **Insulation & Sealing** – Extruded silicone and rubber provide **airtight seals and thermal protection** in extreme environments.

Cofan's extrusion technology combines **engineering expertise, state-of-the-art equipment, and rigorous quality control** to deliver precision components for demanding industries. From **heat dissipation in electronics** to **aerospace-grade structural parts**, Cofan's extrusion solutions ensure **reliability, cost efficiency, and performance**.