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RINNO ALUMINUM

Our company with the high technology of
Aluminum extrusion gives customers satisfaction



WWW.RINNO.CO.KR

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RINNO ALUMINUM | Precision in Aluminum, Trust in Every Detail

CORPORATE & OVERVIEW

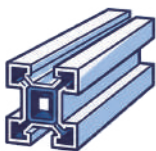
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TECHNOLOGY THAT MOVES INDUSTRY

RINNO ALUMINUM provides aluminum solutions based on an integrated production system connecting extrusion, precision machining, bending, assembly, and surface treatment for the automotive, EV, and industrial sectors.



EXTRUSION



MACHINING



BENDING



ASSEMBLY



SURFACE
TREATMENT



Established
2009



Monthly Capacity
1,000 Tons



Main Markets
**USA / Japan /
Thailand**



Applications
**Automotive /
EV / Industrial**

COMPANY OVERVIEW

RINNO ALUMINUM is a total aluminum solutions company specializing in aluminum extrusion, precision machining, bending, assembly, and surface treatment. We supply high-quality parts and profiles tailored to customer needs across automotive, EV, and industrial applications with stable quality and reliable delivery.



COMPANY NAME

RINNO ALUMINUM Co., Ltd.



CEO

Lee Se-young



ESTABLISHED

June 1, 2009



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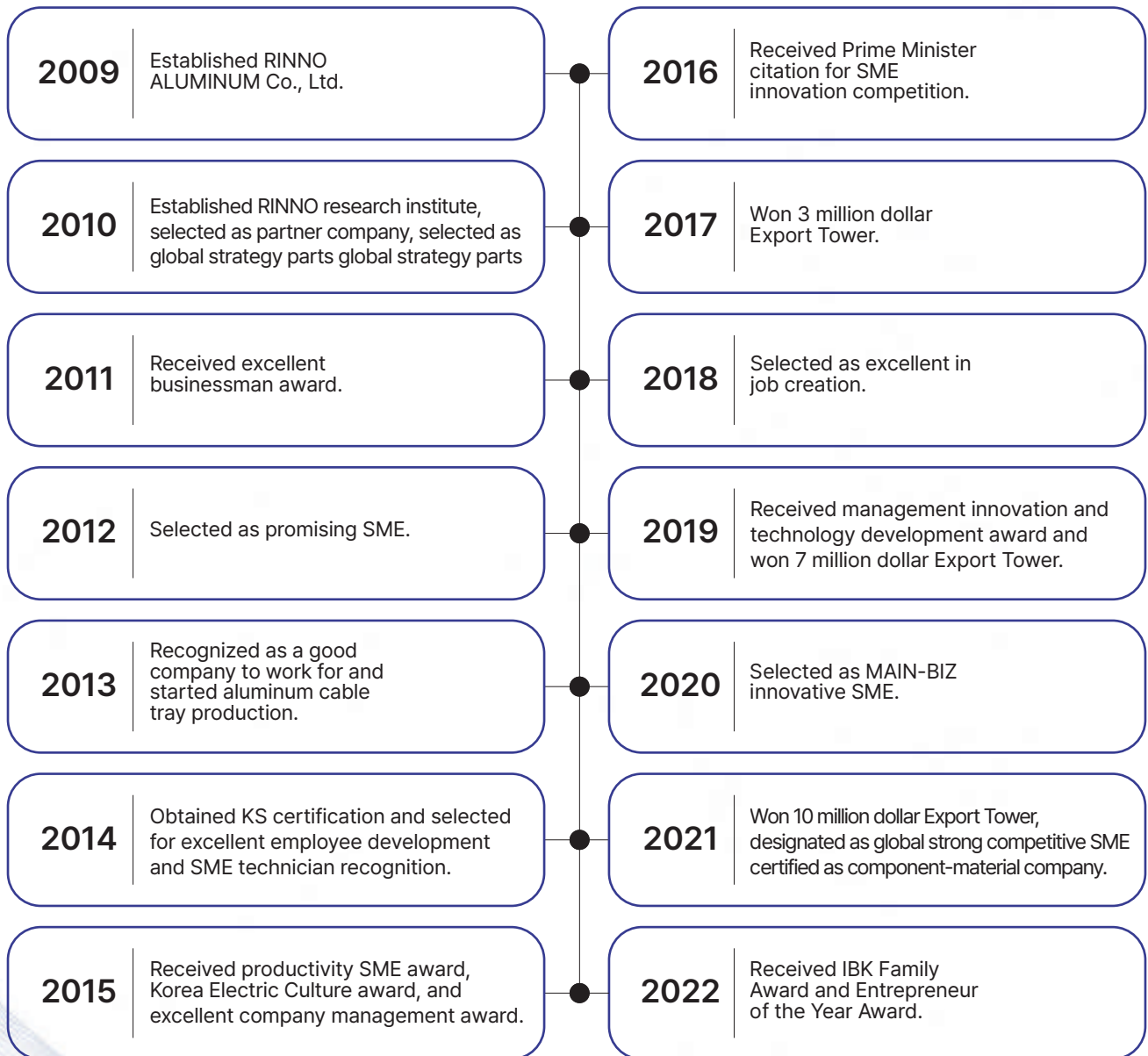


BUSINESS AREA

EV Components / Industrial Aluminum
Extrusion / Machining / Assembly

RINNO ALUMINUM HISTORY

From our beginnings to global growth, RINNO ALUMINUM continues to expand through technology, quality, and exports.



VISION & CORE VALUES



CHALLENGE

We pursue excellence through advanced technology and continuous execution.



CUSTOMER SATISFACTION

We deliver quality and customer value through considerate service and responsiveness.



FUTURE-ORIENTED

We prepare for the future of the industry through innovative technology and eco-friendly materials.

MISSION

A trusted aluminum solutions company dedicated to our customers' success.

VISION

A solution leader in aluminum extrusion that connects raw materials to applications.

CORE STRATEGIES

01



Improve energy efficiency through advanced technology

02



Use high-quality materials for eco-friendly transportation and industries

03

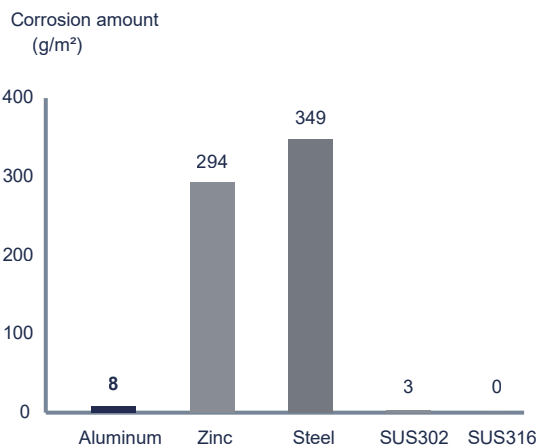


Innovate aluminum materials with recyclability and durability

TECHNICAL DATA R&D SUSTAINABILITY

Comparison for Corrosivity

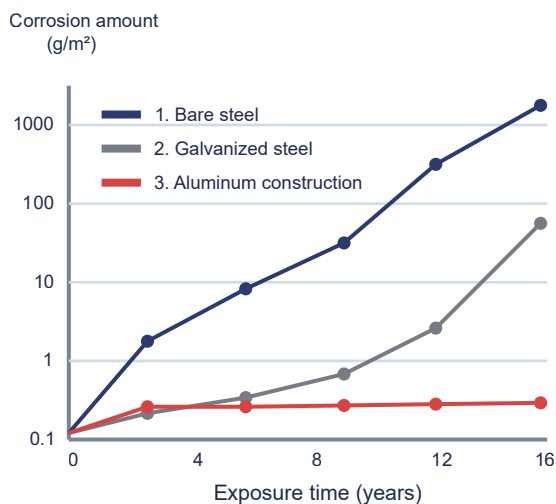
Exposure test result for 16 years



※ Test Method: ISO 9227 (Salt Spray Test)

※ Values may vary depending on environment and conditions.

Corrosion amount comparison



- 1 Bare steel — corrosion continues to grow over time.
- 2 Galvanized steel — corrosion progresses slowly at first, then increases rapidly after a certain point.
- 3 Aluminum construction — a protective Al_2O_3 oxide layer suppresses further corrosion.

Representative Material Data

Alloy	Temper	Typical Use	Feature
EN AW-6005A	T5 / T6	Structural profiles, architectural	Good extrudability, medium strength
EN AW-6061	T6	Structural parts, industrial	High strength, excellent machinability
EN AW-6063	T5 / T6	Architectural profiles, interior	Excellent surface finish, good extrudability
EN AW-6082	T6	Structural, heavy-duty applications	High strength, good weldability
EN AW-6110	T5 / T6	Heat sink, industrial applications	Good thermal conductivity, extrudability

※ The above data is typical information and not guaranteed values.

R&D & Sustainability



Lightweight design development



High-value added profile application



Recyclable material use



Continuous process innovation



Customer-oriented technical response

ALUMINUM SOLAR SYSTEM

Lightweight, durable, and corrosion-resistant aluminum solar mounting solutions designed for maximum performance, safety, and long-term reliability.

KEY BENEFITS

01

Decrease of Construction Weight

Approximately one-third lighter than steel.



02

Corrosion Resistance

No rust or severe corrosion.



03

Quality

Designed for long-term use with 10-year quality assurance.



04

Shorter Construction Period

Self-assembly structure enables efficient installation.



05

Durability

Aluminum structures can last more than 50 years.



ORGANIZATION & KEY CLIENTS

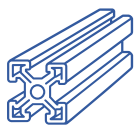
ORGANIZATION



KEY CLIENTS



WHY RINNO



ONE-STOP MANUFACTURING

From extrusion to machining, surface treatment, and assembly, we provide integrated solutions.



QUALITY-FIRST PRODUCTION SYSTEM

Strict quality control and certified systems ensure reliable products that meet global standards.



RESPONSIVE ENGINEERING AND DELIVERY

Advanced engineering capabilities and agile operations ensure fast development and on-time delivery.



EXPORT EXPERIENCE WITH GLOBAL CUSTOMERS

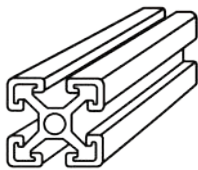
Proven track record of exports and long-term partnerships with global automotive and industrial clients.

GENERAL STATUS

Production Status & Business Areas

Integrated Production, Reliable Quality, Global Supply

| 01 PRODUCTION LINE



- 7-inch aluminum extrusion (1,800 ton) production line, 2 lines
- Heat treatment line, 2 lines
- Press quenching line (conveyor system type)
- Machining line including cutting, chamfering, CNC, MCT, tapping
- Automation machining and assembly line
- Assembly and packing line
- Powder coating line
- Anodizing surface treatment line

| 02 PRODUCTION CAPACITY



1,000
tons
per month



Ø10 mm
to
Ø200 mm Size Range



Up to
10 m
Production Length

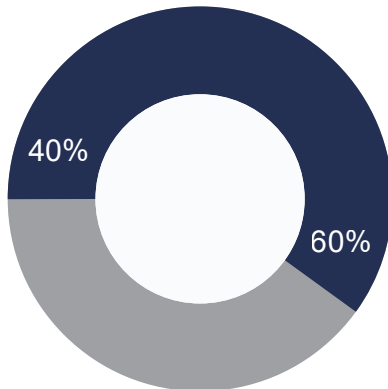


Over-standard
products
supplied through partner



MARKET COMPETITIVENESS

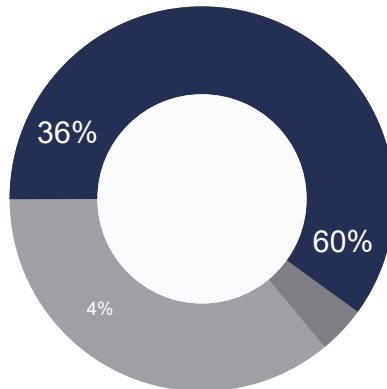
TOTAL SALES



■ Export 60%

■ Domestic 40%

SALES BY SEGMENT

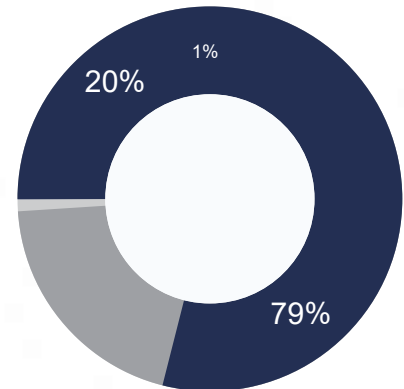


■ Automotive Parts 60%

■ Industrial Sector 36%

■ Solar Panel Parts 4%

OVERSEAS SALES



■ United States 79%

■ Japan 20%

■ Thailand 1%

OUR COMPETITIVENESS



Integrated Process from Extrusion to Finishing

One-stop production system from extrusion, heat treatment, machining to surface finishing and assembly.



Customer-Specific Engineering Response

Quick engineering support and flexible production to meet customer requirements.



Stable Quality and Traceability

Strict quality control and full traceability system to ensure reliable products.



Export-Oriented Supply Capability

Global export experience and efficient logistics network to ensure on-time delivery worldwide.

PLANT INTRODUCTION I



PLANT INTRODUCTION II

Cutting & Chamfering Process



Automatic cutting machine
for rubber-bush



Automatic cutting



Testing after cutting



Chamfering machine line



Chamfering



Cutting & chamfering machining



Product inspection



Packing for export



Export

Other Processes



MCT (6m)



Bending machine



Twin-head cutting machine



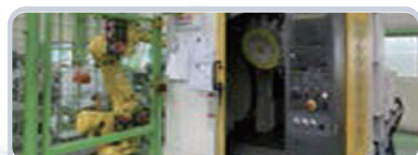
Knurling machine line



Drawing machine



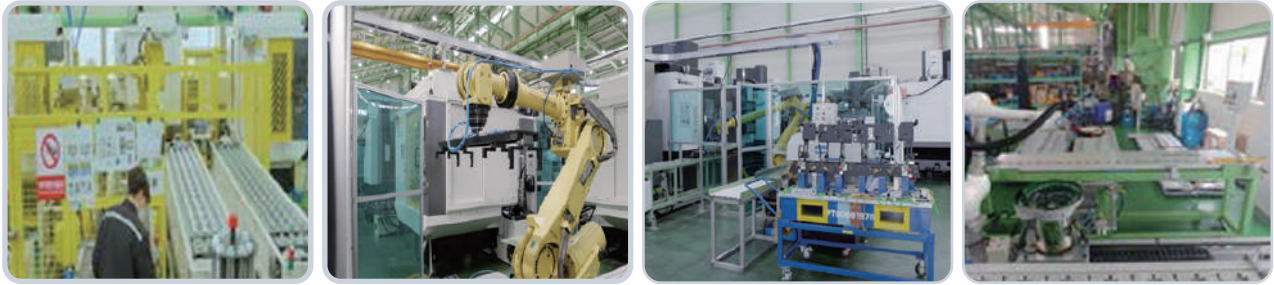
Cold drawing process



Tapping machine

PLANT INTRODUCTION III

Automation Machining & Assembly Line



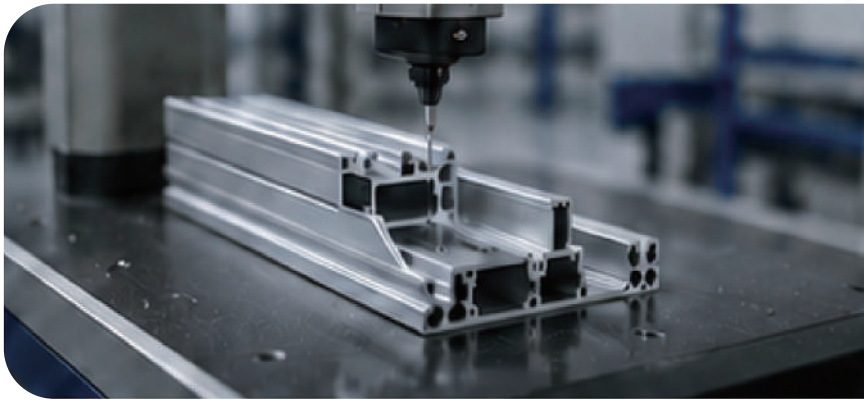
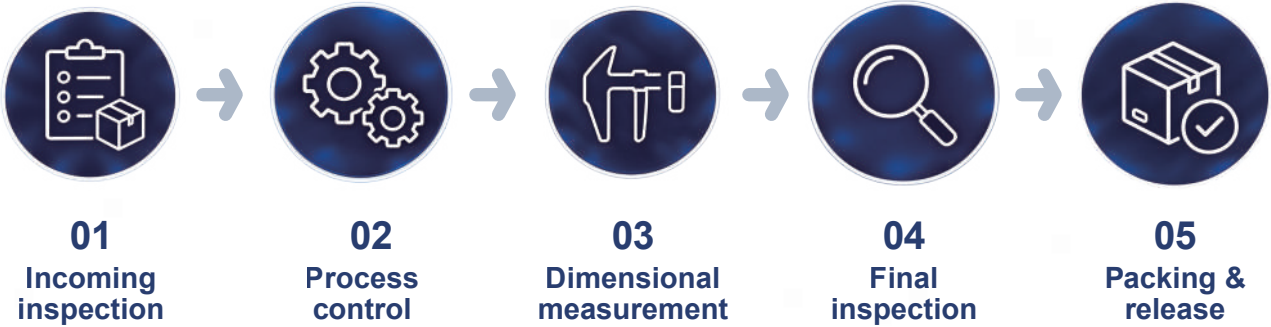
Automated systems and smart fixtures ensure high efficiency, consistent assembly, and stable quality.

Anodizing Line



Advanced anodizing process ensures excellent corrosion resistance, surface consistency, and appearance quality.

QUALITY MANAGEMENT SYSTEMS



From raw material to final product, RINNO implements rigorous quality control at every stage to ensure customer satisfaction and reliability.

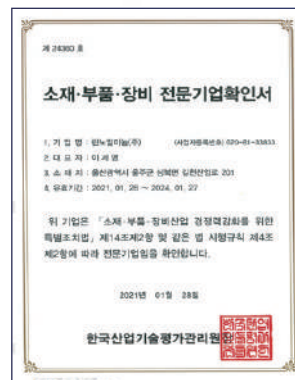
CERTIFICATIONS & APPROVALS



Quality Management System Certification



Quality Management System Certification



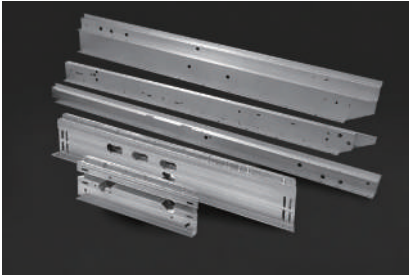
Materials, Parts & Equipment



Management Innovation Certification

PRODUCT PORTFOLIOS

CERTIFICATIONS & APPROVALS



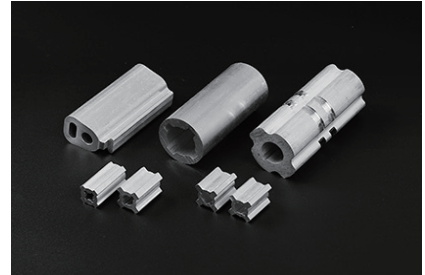
Frame

High-strength, ultra lightweight aluminum frames for electric vehicles



Bracket

Development and mass production of high-strength, lightweight aluminum components with excellent corrosion and wear resistance



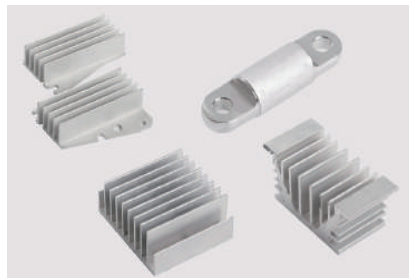
Inner

Development and mass production of high-strength, lightweight aluminum components with excellent corrosion and wear resistance.



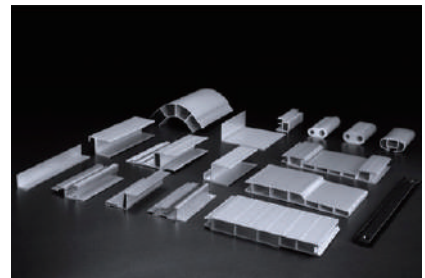
Rubber Bush

Development and mass production of high-performance aluminum rubber bush components for automotive applications



Motor Parts

Development and mass production of high-strength, ultra-lightweight aluminum components for electric vehicles

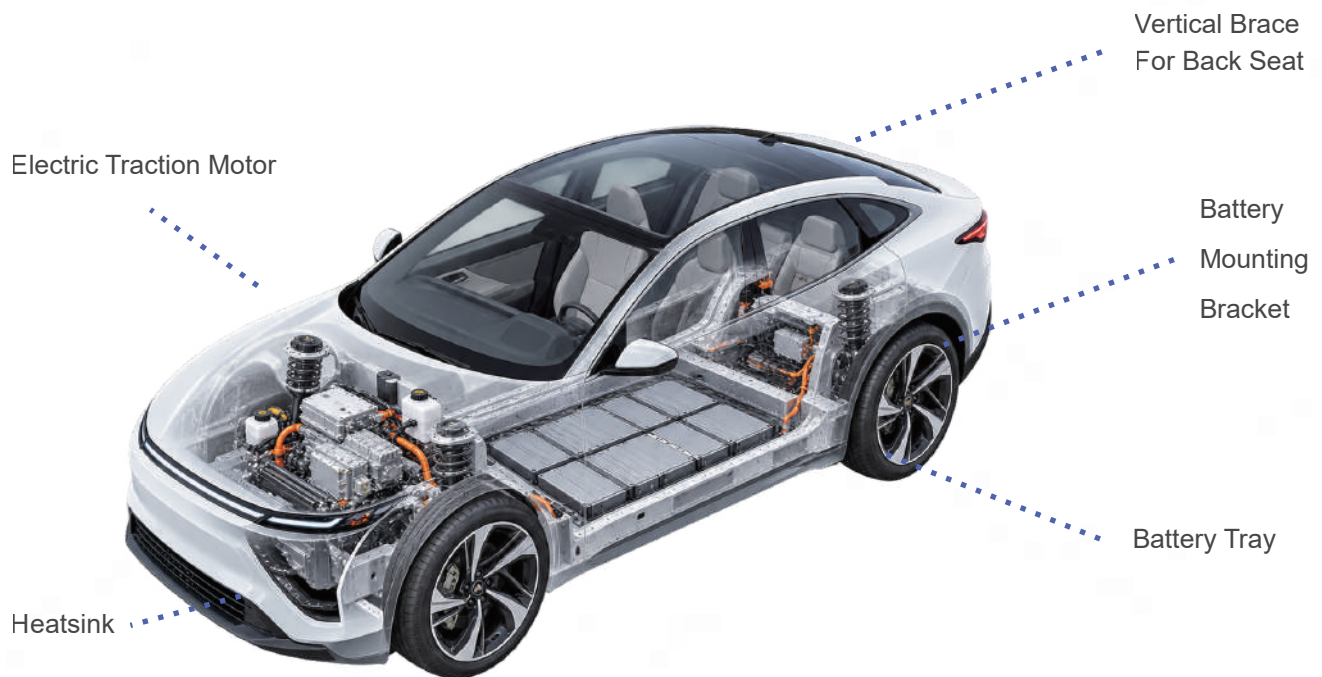


Exterior Applications

We have built a strong reputation for advanced technology and reliability in aluminum window system processing in the automotive parts industry.

ELECTRIC VEHICLE COMPONENTS

Aluminum solutions that enhance EV performance, safety, and efficiency.
Lightweight. Durable. Designed for EV Platforms.



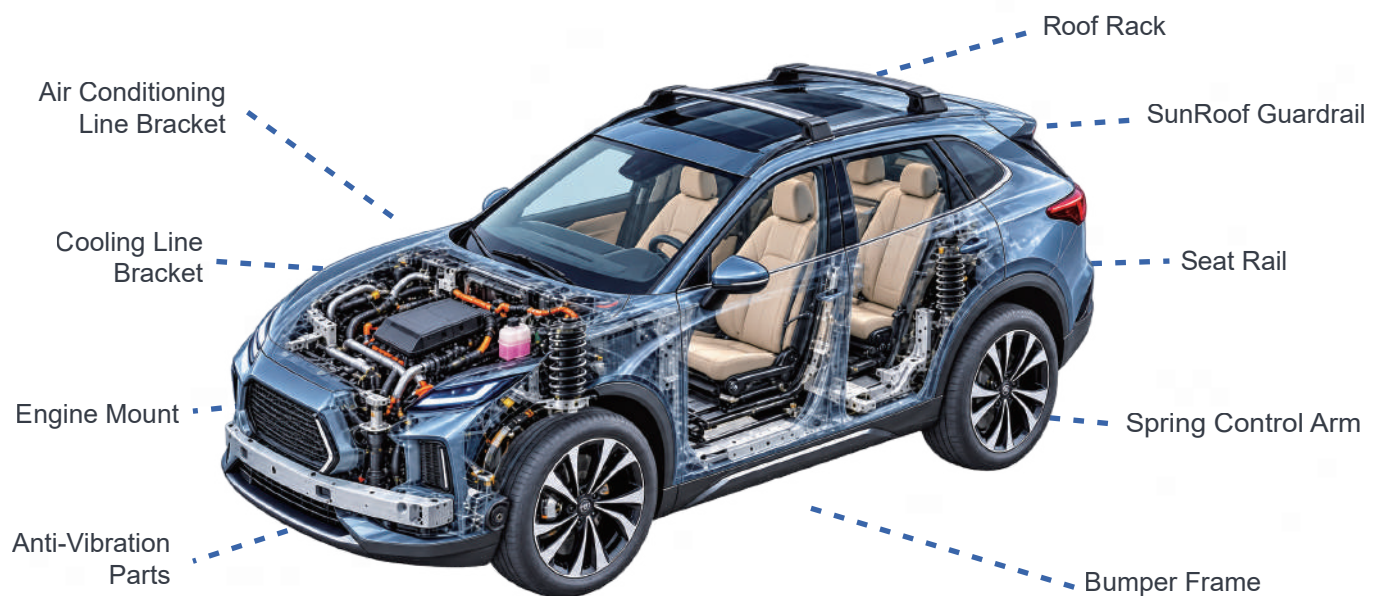
FRAME

Development and mass production of high-strength, ultralight aluminum frames for EVs



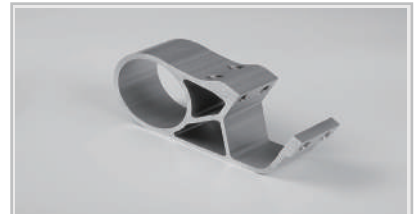
AUTOMOTIVE APPLICATIONS

We develop and manufacture high-quality automotive components with advanced aluminum technology. Our solutions deliver lightweight performance, durability, and reliability for modern vehicles.



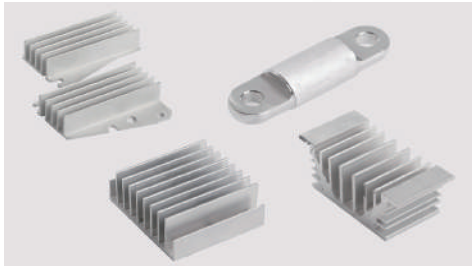
BRACKET

High-strength, lightweight aluminum parts with excellent corrosion and wear resistance.



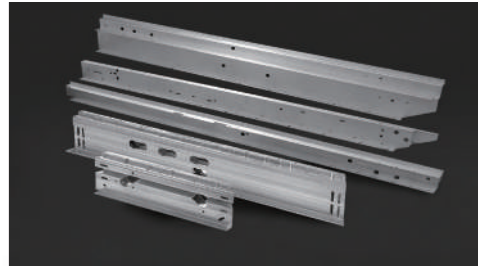
INDUSTRIAL & ELECTRONIC PRODUCTS

HEAT SINKS



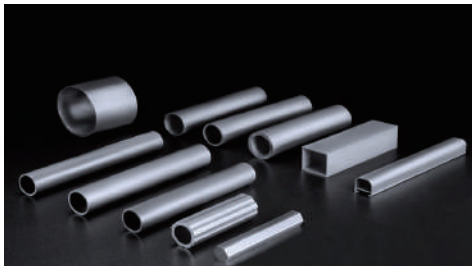
- Heat sinks for home appliances and industrial equipment

ELECTRONIC PROFILES



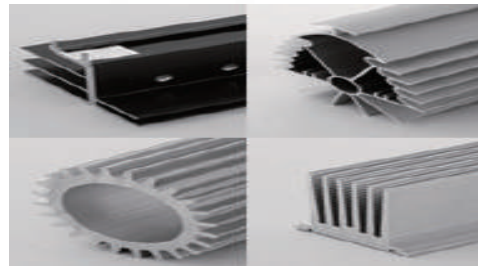
- Precision profiles for various electronic device applications

PIPES



- Aluminum pipes for heat exchange and fluid applications

ELECTRIC MOTOR FRAMES



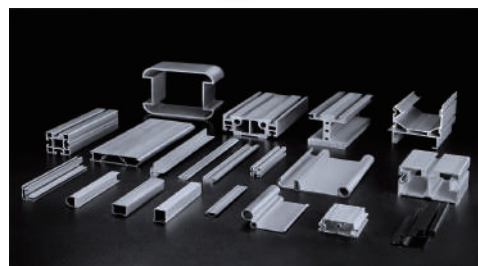
- Frames for electric motor

HOME APPLIANCE PARTS



- Lightweight and durable parts for home appliances

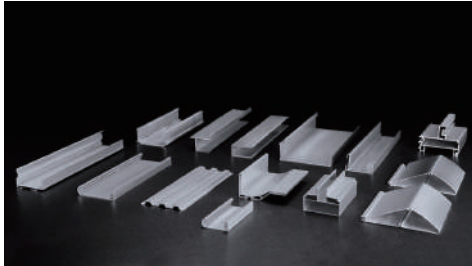
INDUSTRIAL PROFILES



- Aluminum pipes and shaped profiles for diversified industrial applications

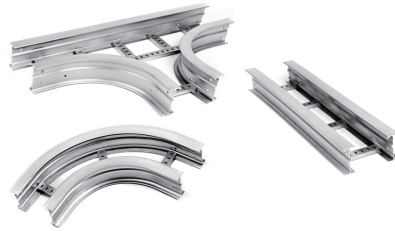
SHIPBUILDING, CONSTRUCTION & INDUSTRIAL MATERIALS

STRUCTURE



- High-strength aluminum profiles for frames, support structures, and industrial applications.

PROFILES



- Versatile aluminum profiles for a wide range of industrial and customized applications.

SOLAR POWER GENERATION SYSTEM

Efficient and reliable solar energy solutions designed for sustainable power generation. Our systems deliver stable performance and long-term energy efficiency.

