



Together for a Greener World



Innovative Solutions
RECYCLING

Eco Transformation in Aluminum, Rubber and Plastic

Who We Are

Piramide Group is a company committed to delivering sustainable recycling solutions, supporting eco-friendly production, and promoting the circular economy. Specializing in aluminum, rubber, and plastic, we aim to recover and reuse these essential materials, creating both environmental and economic value.

In a world where natural resources are rapidly depleting, and environmental challenges are intensifying, Piramide Group believes that recycling is the key to the future. With innovative technologies and advanced processes, we enhance the efficiency of recycling to meet the needs of our partners while building a more livable planet for future generations.



What We Do?

- **Recycling Solutions:** We transform aluminum, rubber, and plastic waste into reusable materials using advanced technologies.
- **Eco-Friendly Production:** We minimize the environmental impact of production processes while maximizing economic benefits.
- **Innovation and Collaboration:** We develop industry-specific solutions for our partners, setting high standards in recycling.

Why Choose Piramide Group?

- **Expertise and Experience:** We provide high-quality solutions backed by extensive knowledge in the recycling sector.
- **Environmental Responsibility:** We support eco-conscious production models, helping businesses reduce their ecological footprint.
- **Advanced Technology:** Our innovative methods design efficient and impactful recycling processes.



Aluminum Recycling

Aluminum stands out as a material with exceptional properties in recycling processes. This precious resource, provided by nature, can be recycled infinitely while maintaining its high performance. The recycling process offers unparalleled benefits in terms of energy savings and environmental protection.



Why Recycle Aluminum?

- **Energy Savings:** Producing recycled aluminum saves up to 95% of the energy required for primary production.
- **Reduces Carbon Footprint:** Aluminum recycling significantly lowers carbon emissions, positively impacting the environment.
- **Preserves Natural Resources:** Reduces the need for mining and conserves natural resources.

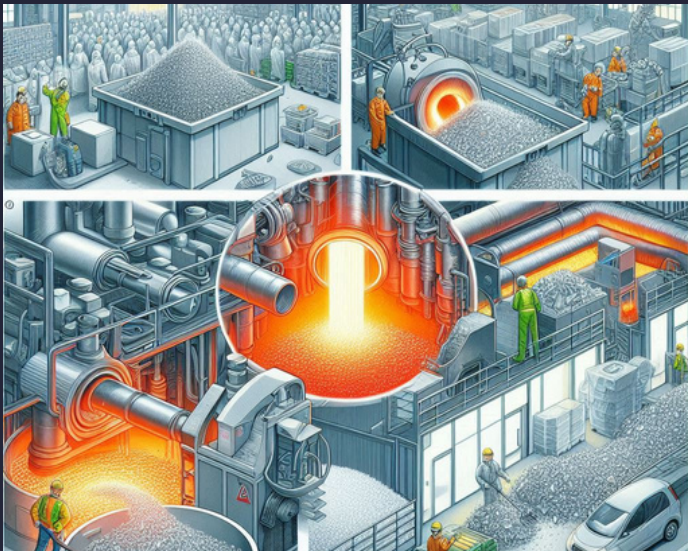
Applications

- **Construction Industry:** Facade systems, window profiles, and structural materials.
- **Automotive Sector:** Lightweight, durable, and recyclable vehicle components.
- **Packaging:** Reusable solutions for the food and beverage industry.



Recycling Process

- **Collection and Sorting:** Aluminum waste is carefully collected and properly sorted.
- **Processing and Melting:** Waste is melted at high temperatures and transformed into pure aluminum.
- **Reuse:** The produced aluminum is repurposed in the manufacturing of various industrial products.



Rubber Recycling

Rubber plays a critical role in modern industries due to its durability and flexibility. However, properly recycling used rubber waste is essential to reduce its environmental impact. Through the recycling process, rubber is transformed into a valuable raw material that can be reused in new products.



Why Recycle Rubber?

- **Waste Management:** Recycling rubber prevents environmental harm and reduces landfill waste.
- **Energy and Resource Savings:** It lowers the energy demand for producing new rubber, contributing to the conservation of natural resources.
- **New Applications:** Recycled rubber finds a second life in various industries.

Applications

- **Automotive Sector:** Tires, damping systems, and spare parts.
- **Construction and Infrastructure:** Flooring materials, sound insulation, and sports surfaces.
- **General Industry:** Hoses, seals, and various industrial components.



Recycling Process

- **Collection and Shredding:** Used rubber is collected and shredded into small pieces.
- **Separation and Cleaning:** Metals and other foreign materials are removed from the rubber.
- **Reprocessing:** Shredded rubber is converted into granules or powder, ready to be used in new products.



Plastic Recycling

Plastic is an essential part of modern life, but it is also one of the most debated materials due to its environmental impact. Proper recycling of plastic waste is crucial for protecting the environment and ensuring more efficient use of resources.



Why Recycle Plastic?

- **Conserves Natural Resources:** Reduces the need for petroleum and other resources used in new plastic production.
- **Reduces Carbon Emissions:** Recycling consumes less energy than primary plastic production, minimizing environmental impact.
- **Creates New Products:** Recycled plastic can be reused in various industries, becoming raw material for new items.

Applications

- **Packaging :** Bottles, packaging films, and bags.
- **Construction Materials :** Pipes, insulation materials, and plastic sheets.
- **Consumer Products :** Furniture, textiles, and daily-use products.



Recycling Process

- **Collection and Sorting:** Plastic waste is sorted by type.
- **Cleaning and Shredding:** Plastics are cleaned and shredded into small pieces.
- **Melting and Molding:** Shredded plastic is melted and reshaped into granules, which are used in manufacturing new products.



Aluminum-Rubber-Plastic

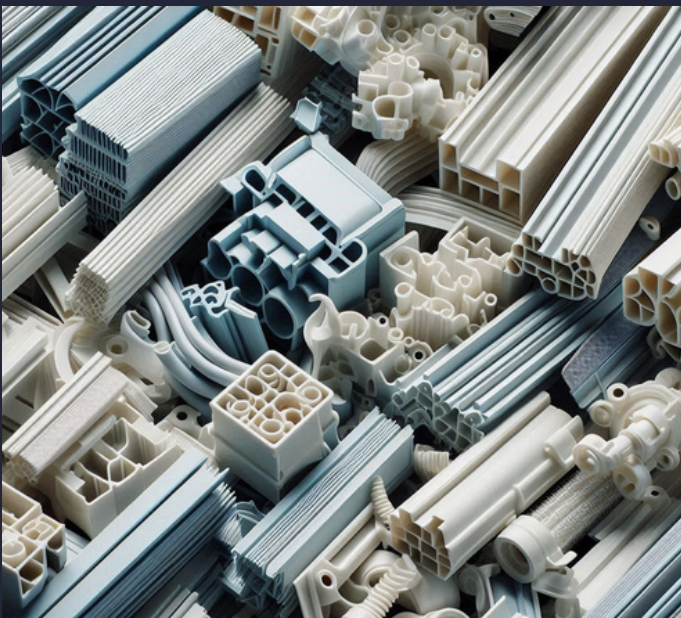


Aluminum

- **Lightweight:** Low density, easy to transport.
- **Durable:** Highly resistant to corrosion.
- **Good Conductivity:** Excellent for electricity and heat.
- **Easy to Work With:** Easily shaped and processed.

Rubber

- **Flexibility:** Rubber can deform and stretch due to its flexible structure.
- **Durability:** Resistant to wear, heat, and chemicals.
- **High Insulation:** Provides electrical and thermal insulation.
- **Water Resistance:** Resistant to water and moisture



Plastic

- **Lightweight:** Plastic is a lightweight material due to its low density.
- **Durability:** It is resistant to various external factors and remains stable over time.
- **Moldability:** Plastic is easily shaped and processed.
- **Protective:** It is water-resistant and provides good insulation.

Waste to Worth

Collection

Waste materials are carefully collected and prepared for recycling. This is the first and most essential step in the process.

Sorting

Advanced technologies ensure precise sorting of materials by type, such as aluminum, rubber, and plastic, enabling efficient and high-quality recycling.

Transformation

Recycled materials are reshaped into valuable raw resources for new products. This process saves energy and minimizes environmental impacts.



Our Circular Economy Contribution



Reduced Resource
Consumption



Energy
Efficiency



Lower Carbon
Emissions



Innovative
Products



SCAN ME



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