



*Arc Astra Group*

# PRODUCT CATALOG

Building Synergies for Greater Opportunities and  
Stronger Global Partnerships



# ABOUT US



Arc Astra Group is a diversified, forward-thinking conglomerate operating across Petrochemicals, Metals, Agro, Mining, Minerals, and Automobiles. Guided by a commitment to innovation, integrity, and global standards, the Group delivers high-value products and strategic solutions to industries that drive the modern economy. With a strong network, robust supply capabilities, and a customer-centric approach, Arc Astra Group ensures reliability, transparency, and excellence in every transaction. Our mission is to empower businesses with quality resources, sustainable practices, and long-term partnerships, positioning Arc Astra Group as a trusted leader in multi-sector industrial trade and services.

# PRODUCT CATEGORY

## ALUMINIUM

Aluminum is a non-ferrous and non-magnetic 100% recyclable metal. Physical properties of Aluminum scrap metal are not lost during the recycling process, and it can be recycled indefinitely with more than a third of all Aluminum produced globally originating from recycled scrap metal. All Aluminum scrap metal processed at Shred met form is sorted and categorized prior to export into internationally recognized grades





# PRODUCTS



**Aluminium Ingot**



**Aluminium Billets**



**Aluminium Section**



**Aluminium Centering**





**Auto Rims**



**Aluminium Wire**



**Aluminium Utensils**



**Bottle Cap**



**Used Beverages Can**



**Auto Parts**





**Aluminium Sheets**



**Taint Tabor**



**Aluminium Radiator**



**Aluminium Dross**



**Aluminium Pucks**



# ALUMINIUM INGOT



Aluminium Ingot is a solid block of aluminium metal cast into a standard shape for ease of storage, transportation, and further processing. It is produced either from recycled aluminium scrap or primary aluminium extracted from bauxite.

## **Sources:**

- Recycled aluminium scrap (e.g., wires, cans, auto parts)
- Primary aluminium from smelters

## **Types:**

- Primary ingots: Made from virgin aluminium
- Secondary ingots: Made from recycled scrap
- Alloyed ingots: Contain elements like silicon, magnesium, or copper

# ALUMINIUM BILLETS



Aluminium Billet is a solid, cylindrical or rectangular bar of aluminium used as a raw material in extrusion, forging, and rolling processes. It is made from either primary aluminium or recycled scrap.

## **Sources:**

- Primary smelters
- Re-melting of aluminium scrap
- Casting from aluminium ingots

## **Types:**

- Primary billets: Made from virgin aluminium
- Secondary billets: Made from recycled aluminium
- Alloy billets: Contain added elements like magnesium or silicon



# ALUMINIUM BOTTLE CAP



Aluminium Bottle Cap Scrap refers to used or discarded aluminium caps and closures from bottles, commonly found on soft drinks, liquor bottles, and pharmaceuticals. These caps are lightweight, recyclable, and widely used in packaging.

## **Sources:**

- Beverage and liquor bottles
- Pharmaceutical and cosmetic containers
- Packaging industry waste
- Household and hospitality waste

## **Types:**

- Printed or coated caps: May have lacquer or branding
- Plain caps: Uncoated, easier to recycle
- Crimped or threaded caps: Different shapes based on usage

# ALUMINIUM AUTO RIMS



Aluminium Auto Rims Scrap refers to used, damaged, or discarded alloy wheels made from aluminium, commonly sourced from vehicles. These rims are lightweight, corrosion-resistant, and highly recyclable.

## **Sources:**

- End-of-life vehicles
- Vehicle repair and service centers
- Accident-damaged cars
- Auto dismantling yards

## **Types:**

- Clean rims: Free from rubber, lead weights, or coatings
- Painted/coated rims: Require processing before recycling
- Machined rims: Precision-cut with minimal impurities



# ALUMINIUM WIRE SCRAP



Aluminium Wire Scrap consists of used or leftover aluminium wires, valued for their recyclability and commonly sourced from electrical, industrial, and construction sectors.

## **Sources:**

- Old power lines and wiring
- Manufacturing and cable production waste
- Wiring from demolished buildings
- Motors, appliances, transformers

## **Types:**

- Bare wire: Clean, uncoated
- Insulated wire: With plastic/rubber covering
- Mixed wire: Various gauges
- Baled/loose: Based on packaging

# ALUMINIUM UTENSILS



Aluminium Utensils Scrap refers to old, damaged, or discarded kitchen and cookware items made from aluminium, commonly collected for recycling due to aluminium's high reusability.

## **Sources:**

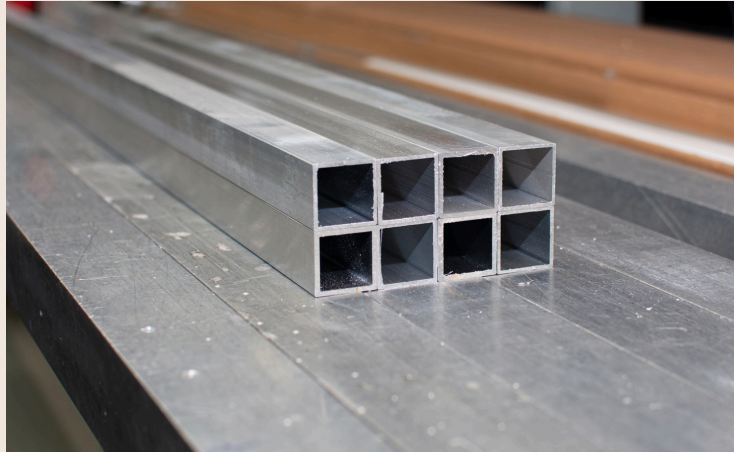
- Households (old or broken cookware)
- Restaurants and catering services
- Scrap dealers and recycling centers
- Manufacturing defects and rejected products

## **Types:**

- Clean utensils: Free from plastic handles or coatings
- Mixed utensil scrap: May include non-aluminium parts
- Pressed or cast utensils: Based on manufacturing method



# ALUMINIUM SECTION



Aluminium Section Scrap refers to leftover or discarded aluminium profiles used in construction, fabrication, and industrial applications. These sections are typically made through extrusion and are highly recyclable.

## **Sources:**

- Construction and demolition sites
- Window and door frame manufacturers
- Industrial fabrication units
- Renovation and structural upgrades

## **Types:**

- Clean sections: Free from paint, plastic, or fasteners
- Painted/anodized sections: Require surface treatment
- Hollow or solid profiles: Vary in shape and thickness

# USED BEVERAGES



Used Beverage Can (UBC) Scrap refers to empty, discarded aluminium cans from soft drinks, beer, and other beverages. These cans are lightweight, non-corrosive, and 100% recyclable.

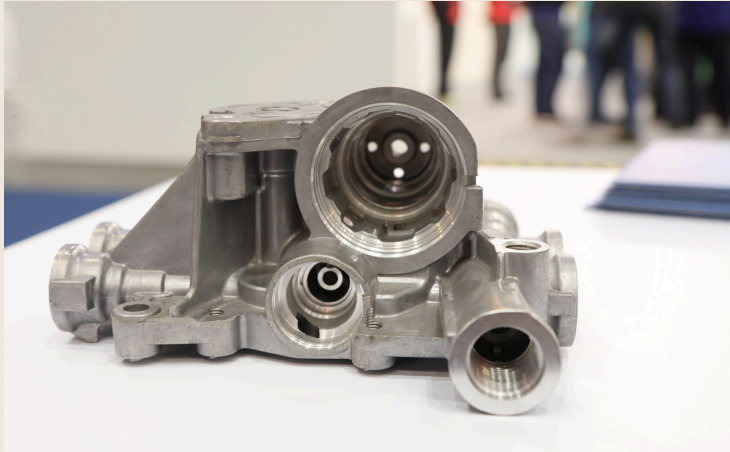
## **Sources:**

- Households and restaurants
- Vending machines and public waste bins
- Recycling collection centers
- Beverage manufacturing units

## **Types:**

- Clean cans: Washed and free from residues
- Crushed/baled cans: Compressed for easy transport
- Painted/lacquered cans: With printed branding or coating

# AUTO PARTS



Auto Parts Scrap refers to worn-out, damaged, or discarded vehicle components made of metal, especially aluminium, steel, and cast iron, that are no longer usable but can be recycled.

## **Sources:**

- End-of-life vehicles
- Auto repair shops
- Accident-damaged vehicles
- Vehicle dismantling yards

## **Types:**

- Engine blocks, gearboxes (aluminium/cast iron)
- Rims and radiators (aluminium)
- Brake drums, rotors (steel)
- Wiring and motors (copper/aluminium)



# ALUMINIUM SHEETS



Aluminium Sheet Scrap refers to thin, flat pieces of aluminium that are discarded or leftover from manufacturing, construction, or packaging processes. These sheets are lightweight, corrosion-resistant, and fully recyclable.

## **Sources:**

- Manufacturing offcuts
- Construction and fabrication waste
- Printing and signage industry
- Packaging material waste

## **Types:**

- Plain sheets: Uncoated and clean
- Coated sheets: Painted or laminated
- Embossed or perforated sheets: With surface patterns or holes

# ALUMINIUM TAINT TABOR



Aluminium Taint Tabor Scrap refers to clean, old, mixed aluminium sheets that are free from foil, food, oil, or excessive contamination. It's a standard scrap grade used globally for recycling.

## **Sources:**

- Construction and demolition waste
- Household and industrial sheet products
- Manufacturing offcuts

## **Types:**

- Clean sheets: Unpainted and free from coatings
- Painted sheets: Acceptable if free from plastic or tar
- Mixed sheets: Various thicknesses and finishes

# ALUMINIUM RADIATOR



Aluminium Radiator Scrap refers to used or discarded aluminium radiators, typically sourced from vehicles, HVAC systems, and industrial equipment. These radiators are valued for their high aluminium content and recyclability.

## **Sources:**

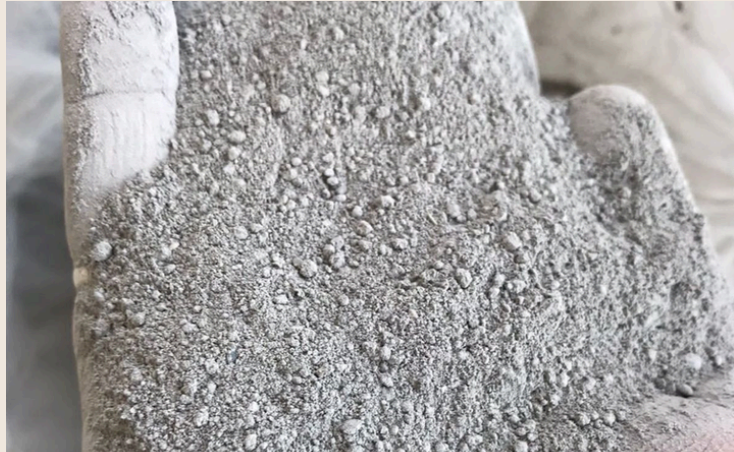
- End-of-life vehicles (car and truck radiators)
- HVAC systems (AC and refrigeration units)
- Industrial machinery

## **Types:**

- Clean radiators: Free from plastic, iron, or copper
- Contaminated radiators: Contain mixed metals or attached fittings
- Aluminium-copper radiators: Mixed metal units, need separation



# ALUMINIUM DROSS



Aluminium Dross is a by-product formed during the melting and refining of aluminium, consisting of aluminium oxide, impurities, and some recoverable metallic aluminium.

## **Sources:**

- Aluminium smelting and remelting processes
- Secondary aluminium production units
- Foundries and recycling plants

## **Types:**

- White dross: From pure aluminium smelting; contains more metallic aluminium
- Black dross: From secondary processes; contains more impurities and non-metallics

# ALUMINIUM PUCKS



Aluminium Pucks are compact, disc-shaped blocks made from compressed aluminium scrap or chips, primarily used as feedstock in remelting and casting processes.

## **Sources:**

- Metal machining and milling waste
- Aluminium scrap compaction plants
- Foundries and recycling units

## **Types:**

- Clean pucks: Made from uncontaminated aluminium chips
- Mixed alloy pucks: Contain chips from different aluminium grades
- Lubricated or oily pucks: From machining, may require degreasing

# ALUMINIUM CENTERING



Aluminium Centering Scrap refers to used or discarded aluminium formwork and shuttering materials used in construction to support concrete until it sets.

## **Sources:**

- Construction sites
- Infrastructure and real estate projects
- Demolition and renovation works

## **Types:**

- Flat panels and plates used for slabs and columns
- Channels, beams, and props used for support
- Used or bent formwork no longer suitable for reuse



# PRODUCT CATEGORY

## COPPER

Copper is a highly durable, non-ferrous metal known for its exceptional conductivity and long life cycle. It is 100% recyclable, retaining all its physical and chemical properties through repeated processing. A significant share of global copper supply comes from recycled scrap, highlighting its sustainability and industrial value. All copper scrap processed at Shred Met Form is meticulously sorted, cleaned, and graded into internationally accepted standards, ensuring superior quality for smelting, refining, and manufacturing applications.



# PRODUCTS



**BARLEY NO. 1**



**BERRY NO. 1**



**BIRCH NO. 2**



**NO. 1 Wire Nodules**



# BARLEY NO. 1



Barley No. 1 Copper Wire is clean, unalloyed, and uncoated copper wire with a minimum purity of 99%. Known for its high conductivity and excellent malleability, it is widely used in electrical, industrial, and refining applications. The wire is free from insulation, paint, solder, and other contaminants.

## **Sources:**

- Recovered from stripped electrical cables, power lines, industrial wiring, and machinery dismantling.

## **Types:**

- Bright & Shiny Copper Wire
- Bare Uncoated Copper Wire
- Thick Gauge High-Purity Copper Wire



# BERRY NO. 1



Berry No. 1 Copper Wire is clean, unalloyed, uncoated copper wire with a minimum purity of 99%. It consists of bright, shiny copper wire free from insulation, paint, solder, or contamination, making it ideal for high-grade refining and industrial applications.

**Sources:**

- Derived from stripped electrical wiring, communication cables, and industrial wire scrap.

**Types:**

- Bright & Shiny Copper Wire
- Bare High-Purity Copper Wire

# BIRCH NO. 2



Birch No. 2 Copper Wire includes unalloyed copper wire with slight oxidation, tarnish, or minimal contamination. It may contain solder, paint traces, or coatings but still maintains good copper purity suitable for secondary refining and industrial use.

**Sources:**

- Collected from used electrical wiring, mixed cable scrap, dismantled appliances, and lightly coated or soldered copper wires.

**Types:**

- Lightly Oxidized Copper Wire
- Soldered or Coated Copper Wire
- Mixed Gauge Copper Wire (meeting No. 2 standards)

# NO. 1 WIRE NODULES



No. 1 Copper Wire Nodules are clean, unalloyed copper pieces produced from granulated and processed No. 1 copper wire. They offer high purity (99%+) and consistent size, making them ideal for smelting, refining, and high-quality copper production.

**Sources:**

- Generated from granulating bright, uncoated electrical wire and high-grade copper cable scrap.

**Types:**

- Bright Copper Nodules
- Granulated High-Purity Copper Pieces



# PRODUCT CATEGORY

## HMS (HEAVY MELTING SCRAP)

HMS refers to Heavy Melting Scrap, a widely traded ferrous scrap category used in steel manufacturing and recycling. It consists of iron and steel materials that meet size and thickness standards, ensuring consistent melting performance in furnaces. Known for its reliability and uniform quality, HMS is essential for producing new steel products in construction, automotive, and industrial sectors.





# PRODUCTS



HMS 1



HMS 2

# HMS 1



HMS 1 is high-quality ferrous scrap consisting of clean, heavy steel with a minimum thickness of 6 mm. It contains no galvanized, coated, or thin materials, ensuring superior melting efficiency and consistent steel production. Commonly used in foundries and steel mills.

## **Sources:**

- Recovered from demolition of heavy structures, industrial machinery, beams, plates, and thick steel components.

## **Types:**

- Bright & Shiny Copper Wire
- Bare Uncoated Copper Wire
- Thick Gauge High-Purity Copper Wire

# HMS 2



HMS 2 consists of ferrous scrap that includes thinner steel sections and may contain galvanized or coated materials. It offers good melting performance and is widely used in steel recycling for producing general-grade steel products.

**Sources:**

- Collected from light demolition scrap, mixed steel structures, appliances, automotive parts, and fabrication scrap.

**Types:**

- Light Steel Scrap (<6 mm)
- Galvanized or Coated Steel Scrap
- Mixed Ferrous Scrap (meeting HMS 2 standards)



# ARC ASTRA GROUP

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