

Industry Outlook

METAL RECYCLING COMPANIES

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JAIN METAL GROUP

Sanchit Jain |
Director

Mayank Pareek |
Group Managing
Director

Kamlesh Jain |
Group Chairman

Endeavoring to
Broaden the Scope
of Metal Scraps
Recycling

₹150



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Industry Outlook TOP 10
**METAL RECYCLING
 COMPANIES - 2023**

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Endeavoring to Broaden the Scope
 of Metal Scraps Recycling

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With the circular economy pattern picking pace in today's sustainability-driven society, the demand for recycling critical products such as metal scraps is at an all-time high. Recycled metals, which only formed about 20 percent of the global consumption until the late 90s have now grown to 40 percent of the global consumption for Copper and Aluminium and 60 percent for lead. As the world moves forward, realizing the scarcity of natural resources, utilization of recycled metals is anticipated to become commonplace. However, while the industry is experiencing positive reforms such as advancing tech-driven solutions

for efficiency, and increasing governmental support; it continues to grapple with numerous issues.

As a leading recycling business in the metal scraps industry, specializing in the processing and recycling of non-ferrous metals, Jain Metal Group has been at the forefront of the sustainability revolution. Established in the 50s, the group holds a pioneering status in the industry and is known for the exceptional quality of its recycled products that can be utilized for diverse applications. As an industry leader, Jain Metal Group strives not only to add more and more end-of-the-life items in its recycling kitty but also to become environment neutral.



Recycling Non-Ferrous Metals

Operating out of three distinct companies- JRR (Jain Resource Recycling); JRPL (Jain Recycling); and JGT (Jain Green Technologies); the group has diversified its operation, each of the companies handling a specific type of metal to promote efficient and compliant processing and recycling of all.

The JRR, which is the group's flagship company, holds the position of India's leading producer of recycled lead ingots with an annual capacity of 150,000 tons. JRPL, which is another prominent division, operates two plants. The first plant is the largest producer of recycled copper products with an annual production capacity of 40,000 tons. The second plant is responsible for recycling Polypropylene and Polyvinyl Chloride plastic scraps, with an annual capacity of 12,000 tons. JGT, on the other hand, is responsible for the production of aluminum alloys and is among the largest exporters of die-cast aluminum alloy ingots in India. This company also supplies molten aluminum to specific industries.



As an industry leader, Jain Metal Group strives not only to become environment-neutral but also to contribute to its positive reformation

All of these companies have been formed gradually as the group expanded its operations over the decades. During its inception, the Jain Group started its operations with brass sheet recycled products, later venturing into more metals including aluminum sheets, stainless steel sheets, and copper sheets. Growing over the decades, the company kept evolving, finally venturing into lead recycling in 2013. This new addition started with lead acid battery scrap as the only raw material, later including a diverse array of products like lead copper cable scrap into the list.

Keeping up on its expansion journey, 2018 marked a major milestone for the group with its establishment of the largest copper cable scrap recycling plant in Southeast Asia. Shortly after, the group expanded further, venturing into plastic recycling which was followed by venturing into the recycling of other copper containing scrap including electric motors, alternators, and starters. The latest addition to this journey of expansion has been the recycling of aluminum, particularly the production of die-cast aluminum alloys.

"We believe in sustainable businesses that contribute to the environment. Effective recycling meets this objective. In our entire journey of nurturing, growing, and diversifying the recycling business, we have always focused on doing technological improvements, advancements, and automation. As a result, operational efficiencies kept getting better. At the same time, we went on investing in environment control technologies to leave the least possible carbon and emission footprint. All our plants deploy the best of the available technology doing clean recycling with minimum emission. We carry out end-to-end recycling with zero landfill", shares Kamlesh Jain, the Group Chairman.

Tech Integration

The production of ample high-quality recycled products that can be utilized for diverse applications requires a technologically advanced setup. The Jain Metal Group, with its diverse verticals is equipped with varied technological features, especially suited to the diverse needs of each recycling process. The facilities are equipped with an automatic scrap battery breaker (the largest in the country), and automatic cable scrap granulation machines. In terms of specialized machinery, the plastic recycling plant owned by the groups is equipped with the relevant tech needed to recycle mixed plastic regrind. Similarly, other facilities are equipped with diverse equipment and processes needed for optimal recycling of the various metals.

The Jain Metal Group's focus on continual improvement of technology is based on the objective of achieving maximum efficiency with minimum emissions to benefit the environment more effectively. Moreover, the advanced tech facilities and elaborate teams of experts consisting of over 800 women across companies make quality testing and assurance a more enhanced process.

"Each plant that we own and operate has well-facilitated laboratories equipped with high-end spectrometers, microscopes, titration facilities, measuring equipment, test furnaces, and more. It is not only the quality laboratories that ensure that the products are of the desired specifications and standards. Quality is the extreme focus for us. The deployed technologies ensure to produce the best of the best products which are in demand across the globe. The well-defined processes and control systems in the production department and their thorough audits also play a crucial role in quality control. All the plants of the group are ISO9001, ISO14001, and ISO45001 certified. Aluminium ingots are BIS certified", shares Mayank Pareek, Group Managing Director.

In addition to its tech integration capabilities, the company also significantly focuses on its supply chain, with dedicated sourcing teams located in India and the USA, and a comprehensive supplier network spread across the globe in over 100 locations, guaranteeing that the global recycled metal needs are effectively met. As a major exporter to over 20

countries, the group's Jain Resource Recycling company holds a prominent global position being listed as a brand on the London Metal Exchange for its refined lead ingots.

Future Growth Strategies

"A key force behind Jain Metal Group's continued success has been our foresight for every expansion initiative undertaken over the decades. Keeping up with this success mantra, we have established a defined set of objectives for our next phase of growth which will consist of twin dimensions - expanding business capacity, and expanding business portfolio", shares Sanchit Jain, Director.



On the front of expanding recycling capacities, the company is aiming to expand its existing capacity of producing 12000 tons of lead ingots per month. To achieve this, the firm is set to enhance the integrated technological innovations to include high-end furnaces as well as processing equipment that would make the process more efficient. Furthermore, for its copper recycling and production, the company is planning to expand into the production of copper cathodes.

In terms of expanding its portfolio of recycled materials, the group is venturing into a few recycling projects with the aim of both expansion and diversification. On the expansion side, the group is delving into recycling copper obtained from EV batteries and also manufacturing copper cathodes through the electrolytic recycling of copper scrap. On the diversification side, the group is entering the tin production sector through recycling, engaging in gold recycling, and participating in heavy mineral processing. The company is also involved in e-waste recycling projects. Many of these projects are being set up overseas to expand the presence of the group globally.

With clear goals set for the upcoming years, Jain Metal Group, which has been a standard of excellence and service in the industry, is set to expand the scope of the industry, setting new benchmarks for upcoming players. [In](#)