



ELCON ALLOYS (P) LTD.

know us, know quality

Delivering results with
solid dependability,
we help you manufacture
better!



IATF
16949:2016
AUTOMOTIVE QUALITY
MANAGEMENT SYSTEM



9001:2015
INDUSTRIAL QUALITY
MANAGEMENT SYSTEM



14001:2015
ENVIRONMENT
MANAGEMENT SYSTEM



45001:2018
OCCUPATIONAL HEALTH & SAFETY
MANAGEMENT SYSTEM

ABOUT US

Elcon Alloys Private Limited located in Ghaziabad, Uttar Pradesh is among the leading manufacturers of Aluminum and Zinc alloys in India which includes Aluminum alloy ingots (All ADC and LM Series) & other specialized alloys. Active in the industry for more than 20 years, IATF certified Elcon Alloys Private Limited has emerged as not only pan domestic, but a globally reliable firm, known for its business ethics, commitment and quality assurance.

Established under the leadership of Mr. Naivedya Sharma, we at Elcon Alloys are a team of well-qualified skillful workers. We consistently put efforts to enhance the quality of our products, with special care towards safety, while assuring the efficiency and efficacy of the process involved. The family at Elcon Alloys is committed towards limiting human ecological footprint, by bolstering sustainable development through scrap recycling, with application of state of the art technology.

Our quality guided approach, align our products with various standards like IS, BIS, JIS, EN, ASTM, BS, DIN, AA, etc. We possess fully integrated capabilities from hauling to metal recycling and alloy ingoting. Located in a premiere Industrial Area in NCR, Elcon Alloys Private Limited has centralized waste treatment facility, dedicated power supply, tight security system along with excellent infrastructure. Elcon Alloys has merged the traditional practices of metallurgy with the contemporary machinery to become a single source for aluminum alloys. Our market position too gives us an edge over the other players in resourcing through international markets and formulating strategic alliances.



MISSION

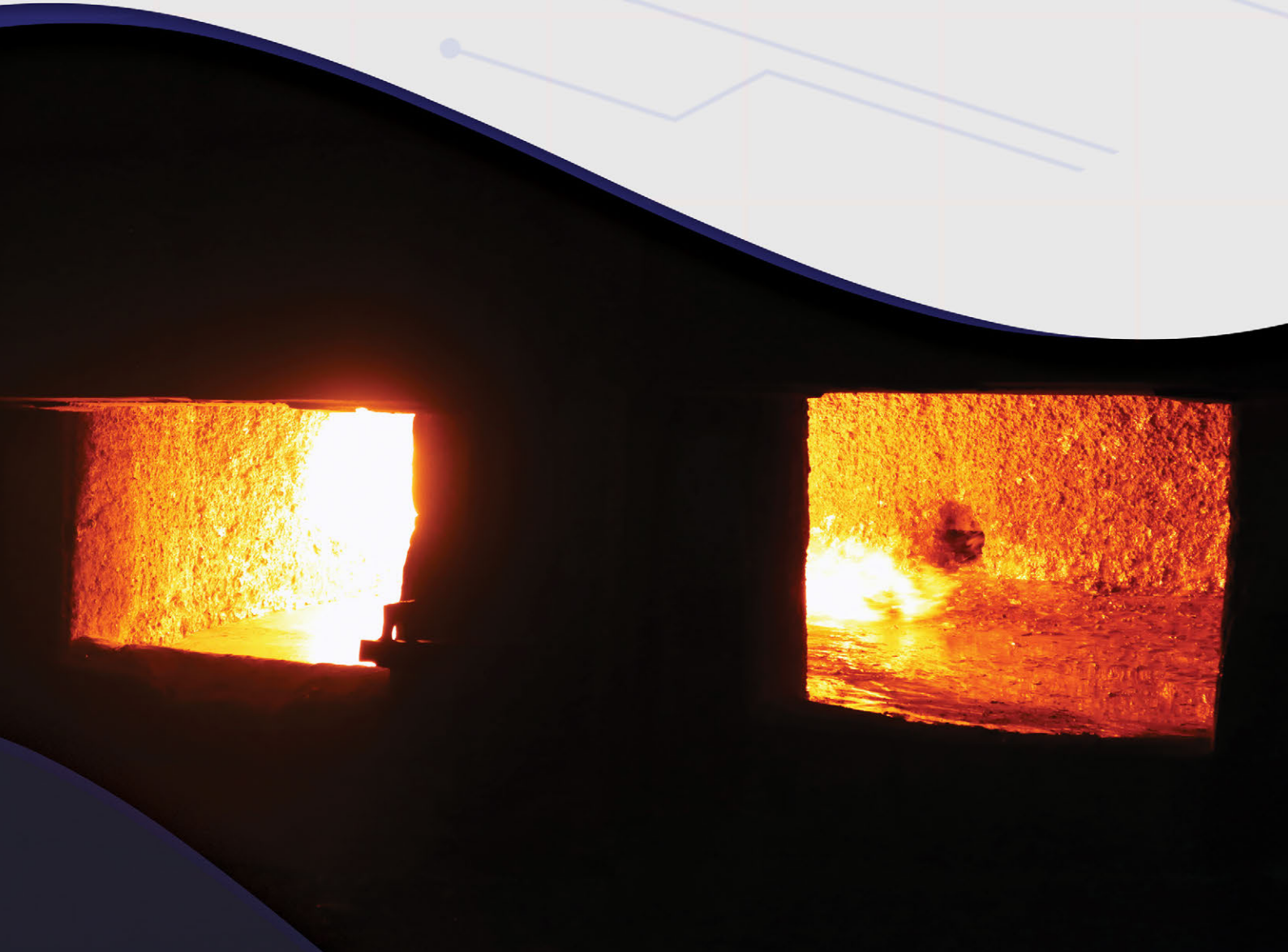
To provide environment friendly Zero defect recycling of aluminum scrap without compromising the quality of product demanded.

VISION

To acquire unparalleled position in delivering best quality products and services by meeting the demands of our customers at reasonably affordable prices, while maintaining the highest standards of ethical practices and social responsibility.

CORE VALUES

Elcon Alloys Private Limited has been able to make an indelible mark in the metal industry because of strong core values. The unmatched quality at reasonably affordable prices with timely supply of our products has always been appreciated in the industry. We not only take special care of our customers, but also ensure limited environment ramifications. Precisely the reason our core values are both environment and customer oriented. Our Environment oriented values include recycling of aluminum, focusing on energy efficiency and working to save green house gases. Our customer oriented values include cost and quality optimization, timely delivery and safety of the customers.



PLANT AND MACHINERY

Our manufacturing facilities have annual capacity of 18000 MT. To ensure supply of exact composition alloy ingots which are gas, dross and inclusion free, we possess the following machinery:

- 3 Skelner Furnaces of total capacity 22 MT & supporting apparatus
- 2 Rotary Furnaces total capacity 8.5MT & supporting apparatus
- 3 casting mold conveyors with molding capacities varying from 180 to 200 each
- Spectrometer, among all other necessary Quality control equipment's including
- Bailing press machine, Silicon & Metal Crushing machines, Ball wheel machine etc.
- Necessary packaging Pneumatic tools, supported by Compressors
- Sieve separator and Belt conveyors with 2 Platforms
- 2 Washing Table
- 4 Weighing Machines of capacities varying from 1.5 MT up to 60 MT each
- 3 Fork lifts & 1 Loadal JCB
- All required maintenance equipment's
- Power Backup including Generator's and UPS
- Pollution Control System that includes Wet scrubber, Cyclone pollution machine, Effluent Treatment Plant (ETP) etc.
- Fire safety system including hydrants, cylinders, alarming system etc.



QUALITY PROCESS

We possess a fully equipped in-house laboratory along with skilled team to ensure the testing of both chemical & mechanical quality of our Aluminum alloys and follow a stringent process control.

[1] Raw Material stage

- a. Random sampling before unloading to affirm raw material composition using Spectrometer
- b. Multi-level segregation of metals & other raw material using sieve separator and visual inspection
- c. Segregated material separate storage

[2] Production Stage

- a. Furnace & oil temperature live monitoring
- b. Nitrogen degassing for mixing and porosity control
- c. Fluxing to minimize dross attachment

- d. Modifier is applied for proper mixing and grain refinement
- e. In process composition analysis & correction, as and when required
- f. Vacuum test is conducted for each heat to identify dissolved hydrogen & porosity
- g. Microscope analysis for grain structure & Silicon dissolution
- h. K mold testing for inclusion analysis
- i. Hardness test is conducted on random sample using Rockwell hardness tester
- j. UTM is used to measure Tensile strength and elasticity
- k. 400 mesh filter to separate impurity during casting
- l. Sludge factor analysis

[3] Dispatch Stage

- a. Reliable, strong & stable packing
- b. Fast and efficient loading using forklifts and JCB
- c. Weight is checked while loading, as well as affirmed at final dispatch stage, to ensure mistake proofing



OUR ESTEEMED CLIENTS



**QUALITY
THAT NEVER
FAILS**

**DELIVERING RESULTS WITH
SOLID DEPENDABILITY**



**GROWTH
OVER THE YEARS**

FY 2020-21
10,143.73 MT
RS. 148.43 CRS

FY 2014-15
3,769.40 MT
RS. 73.63 CRS

FY 2017-18
8,323.29 MT
RS. 116.81 CRS

**FABRICATING
DREAMS
INTO QUALITY**

ELCON ALLOYS (P) LTD.



CREATING SOLID RELATIONS

SAFETY



QUALITY



EXCELLENCE



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