



**ELCON ALLOYS (P) LTD.**

**KNOW US, KNOW THE QUALITY**



**WE DELIVER IMPECCABLE OUTPUTS WITH OUR HIGH-END MACHINERY AND DEDICATED TEAM MEMBERS.**

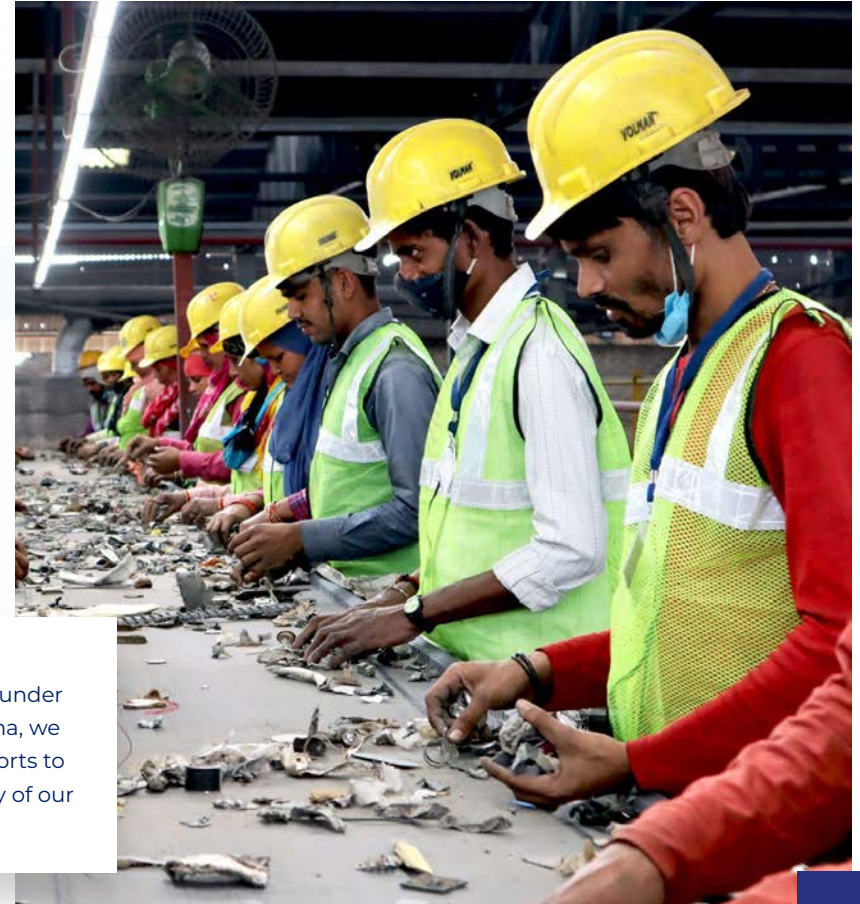




# About Us

**Elcon Alloys Private Limited is a leading manufacturer of Aluminium alloys**

An IATF-certified company, Elcon Alloys possesses fully integrated processes and capabilities, from hauling to metal sorting and alloy ingots. We have been working in the industry for over two decades, and are known for transparent business ethics, commitment and quality assurance.



Elcon Alloys has merged the traditional practices of metallurgy, with contemporary machinery to become a single source for aluminium alloys.



Under the dynamic leadership of our founder Mr. Naivedya Sharma, we consistently put efforts to enhance the quality of our products.

# Our Philosophy



## Mission

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



## Vision

To acquire an unparalleled position in delivering the 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 its strong core values.

The unmatched quality at **reasonably affordable prices** with a 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 environmental ramifications**.



Customer Satisfaction

Sustainability

Excellence & Quality

Trust & Integrity



# List of Grades

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- |              |          |            |
|--------------|----------|------------|
| • ADC-12     | • LM-24  | • LM-20    |
| • ADC-6      | • AL-383 | • AL-356.1 |
| • ALSI-132   | • 98.20% | • A-319.1  |
| • 9MNMG      | • LM-6   | • AC8H     |
| • ALSI9CU3FE | • AL-413 | • ALSI7MG  |
- 

We also cater to any specific Aluminium and requirements other than those mentioned above.

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A photograph of a person in a light-colored, vertically striped shirt operating a large industrial machine in a factory setting. The person is seen from the side, looking towards the machine. The machine has a blue top section and a white base. The background is slightly blurred, showing other parts of the factory.

## Our Products

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With over **2 decades of experience** in the aluminium industry, our product range is **valued for its quality** and durability. Elcon Alloys specialises in **manufacturing Aluminium Alloy Ingots** (ADC and LM SERIES)





## Plant & Machinery

We possess the latest cutting-edge machines, enabling us to achieve the exact composition of inclusion-free alloy ingots.

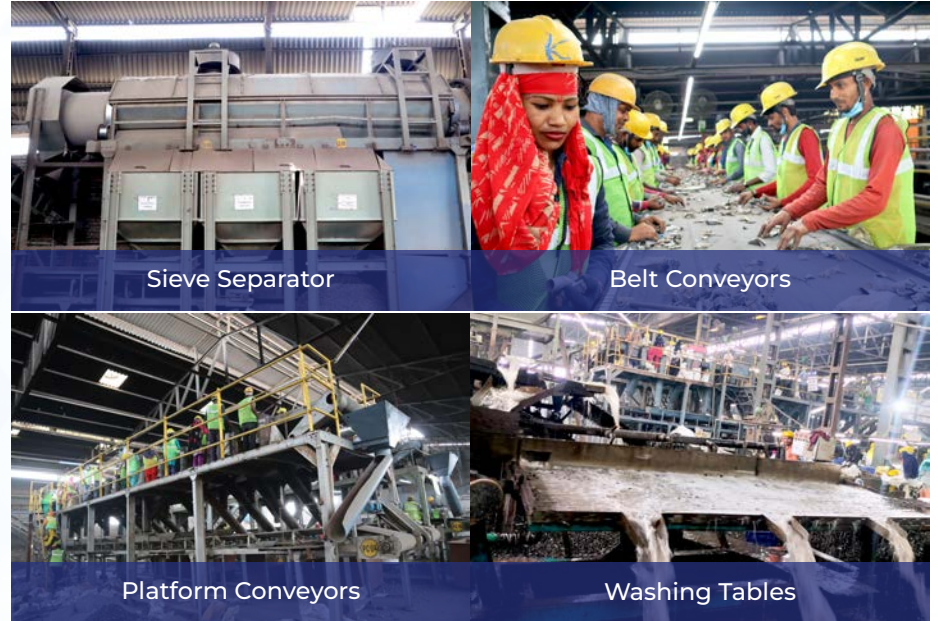
**Our state-of-the-art manufacturing plant of Elcon Alloys Private Limited has an annual capacity of over 18,000 Metric Tonnes!**

# Sorting System

Our Sorting system is endowed with best-in-class equipment, including a Sieve separator, Belt conveyors, Platform conveyors & Washing tables. The sorting system generates a total sorting capacity of 100 Metric tons a day.



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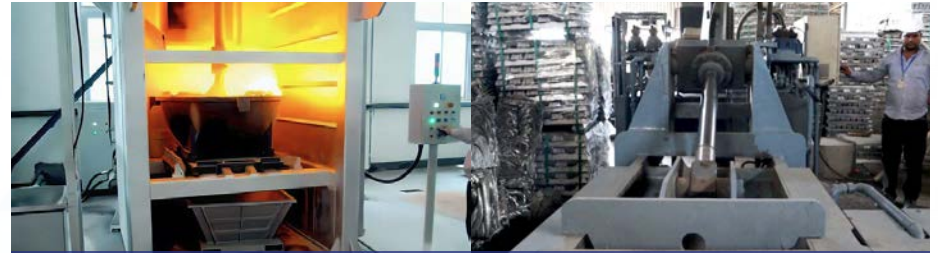
# Machinery

Our manufacturing plant is well equipped with all the necessary machinery

Dross Processing Machines (DPM), Bailing press machine, Degassing Machine, Silicon & Metal Crushing machines, Ball Mill Machine, Necessary packaging Pneumatic tools supported by Compressors, Iron Remover



Iron Remover



Dross Processing Machines

Bailing press machine



Nibbler Machine



Degassing Machine

Pneumatic Tools

# Furnaces

- **Skelner Furnaces:** 3 Skelner Furnaces and supporting apparatus, a total capacity of 24 Metric Tonnes.
- **Rotary furnace:** 1 Rotary furnaces & supporting apparatus, total capacity of 6 Metric Tonnes
- **1 Electric Furnace**
- **Casting Mold Conveyor:** 2 Casting mould conveyors, capacity between 180 to 200 each.



Skelner Furnaces

Rotary Furnace



Casting Mold Conveyor

Electric Furnace

# In-House Laboratory

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

- Spectrometer
- Microscope
- Hardness Tester
- UTM
- K Mould and Vacuum Testing Facility







## Loading & Weighment Facility

Elcon Alloys possesses durable weighing machines of capacities varying from 1.5 Metric Tonnes up to 60 Metric Tonnes, synced with a weighing management software CRAC

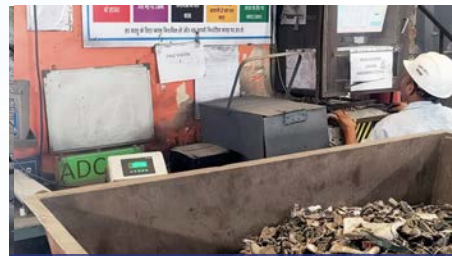
We have a total of 5 weighing machines along with 1 electric overhead crane, 1 Loadal JCB and 3 forklifts.



JCB & 60 MT Weighing Scale



Forklifts



CRAC System



Electric Overhead Crane



## Other Equipments

We understand our responsibility towards the environment and society and have installed pollution control systems and fire safety systems.



# Raw Material Stage

01

Random sampling before unloading to affirm raw material composition using Spectrometer

02

Multi-level segregation of metals & other raw materials using sieve separator washing tables visual inspection

03

Segregated materials are fed into weighing management software and stored separately with proper identification





# Production Stage

- Feeding of Batch charge by PPC into the system.
- Material charging unit the furnace according to the batch chart.
- Furnace & oil temperature live monitoring
- Fluxing to minimize dross attachment.
- In-process composition analysis & correction, as and when required
- The modifier is applied for proper mixing and grain refinement
- Nitrogen degassing for mixing and porosity control
- A vacuum test is conducted for each heat to identify dissolved hydrogen & porosity
- Microscope analysis for grain Structure & Silicon dissolution
- K mould testing for inclusion analysis
- Ceramic filter to separate impurities during casting
- hardness test is conducted on random samples using a Rockwell hardness tester
- UTM is used to measure Tensile strength and elasticity
- Sludge factor analysis.

01



02



03



04

# Dispatch Stage

01

Reliable, strong & stable packing to ensure Traceability

02

Each of our bundles has BARCODE identification, while each of our Ingots has a BATCH CODE stamp.

03

Fast loading using forklifts & JCB. Checking weight while loading & affirming at the final dispatch stage ensuring mistake proofing



# Our Major Clients

	 Aurangabad Electricals Ltd. A CIE AUTOMOTIVE GROUP COMPANY	 ENDURANCE Complete Solutions		 ROCKMAN
		 Super Group of Industries	 HGI AUTOMOTIVES We make better auto world	 SANDHAR Growth. Motivation. Better Life
	 MAHABAL Group of Industries	 Motherson Sumi Systems Limited	 SHRIRAM®	





**DELIVERING RESULTS WITH SOLID DEPENDABILITY, WE HELP  
YOU MANUFACTURE BETTER**

# CONTACT US

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aditya@elconalloys.com



**9001:2015**  
INDUSTRIAL QUALITY  
MANAGEMENT SYSTEM



**14001:2015**  
ENVIRONMENT  
MANAGEMENT SYSTEM



**45001:2018**  
OCCUPATIONAL HEALTH & SAFETY  
MANAGEMENT SYSTEM

**ELCON ALLOYS**  
**CORPORATE FILM**

**TUV NORD**

## CERTIFICATE

Management system as per  
**IATF 16949:2016**  
(1<sup>st</sup> edition, 2016-10-01)

Evidence of conformity with the above standard has been furnished and is certified for

**Elcon Alloys Pvt. Ltd.**  
Kh. No. 252 to 256, Village Parson, Jindal Nagar,  
Ghaziabad - 201302, Uttar Pradesh,  
India

Scope

**Manufacture of aluminium alloys**

without product design responsibility (according to section 8.3)

IATF Registration No. 0446031  
Certificate Registration No. 44 111 212780

Issue date: 2022-03-15  
Expiry date: 2025-03-14

*V. K. Singh*  
Certification body  
at TÜV NORD CERT GmbH

Essen, 2022-03-15

This certification was conducted in accordance with the IATF "Rules for achieving and maintaining IATF recognition".  
Validity can be verified at: <https://www.tuev-nord.de/de/unternehmen/zertifizierung/zertifikatsdatenbank>.

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

[www.tuev-nord-cert.de](http://www.tuev-nord-cert.de)



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