Inalmetal mfg nusantara

2026

ISO 9001:2015

ISO 14001:2015

COMPANY PROFILE

INAL METAL NUSANTARA



www.inalmetal.co.id



ABOUT US

INTRODUCTION

Inal Metal Nusantara is a company specializing in the Aluminum and Tin Smelting Industry. With a strong commitment to innovation and sustainability, we focus on delivering high-quality products and exceptional service to our customers. We believe that collaboration and diverse team development are key to achieving success in this industry.



MISSION & VISION

MISSION

- Our mission is to consistently deliver high-quality Aluminum and Tin products through cutting-edge technology and sustainable operations. We are committed to fostering a culture of innovation, social responsibility, and environmental stewardship, ensuring that our activities benefit both our stakeholders and the broader community.

VISION

- Inal Metal Nusantara aims to be a leading Aluminum and Tin smelting company in Indonesia, renowned for its innovative, sustainable, and environmentally friendly practices. We strive to contribute significantly to the country's economic growth while ensuring the well-being of our employees, communities, and the environment.



ONSHORE OPERATIONS

- The operations area of Inal Metal Nusantara covers Tanjung Balai and parts of the Riau Islands, with both onshore mining concessions (KP) primarily located in Tanjung Balai. The alluvial mining process utilizes adequate equipment, such as gravel pumps and Humphrey spirals, which are operated in compliance with good mining practices.

OFFSHORE TIN MINING

- For offshore operations, Inal Metal Nusantara utilizes equipment capable of operating at depths of 15–50 meters below sea level, with the capacity to excavate over 35 million cubic meters of material per month. To enhance offshore production, Inal Metal Nusantara has introduced cutter suction dredges with a digging capability of up to 25 meters below sea level to access deeper reserves. Additionally, the company employs bucket wheel dredges as an alternative to traditional bucket line dredges, capable of excavating up to 70 cubic meters below the marine level.



EXPLORATION

Inal Metal Nusantara conducts integrated aluminum smelting operations that is profitable, safe, and eco-friendly. The company also engages in empowering surrounding communities through Corporate Social Responsibility (CSR) initiatives and community programs.

The outcome of these activities is known as measured resources. Exploration drilling is conducted using a manual Tanjung Balai drill, capable of reaching depths of up to 30 meters, as well as technical drills that can reach depths of up to 60 meters. Offshore exploration employs drilling boats and pontoons equipped to drill from sea level to the bedrock, with material samples taken every two meters or at each different soil layer.



PROCESSING AND SMELTING

The ores, derived from offshore and onshore mining with a tin content of 20–30%, are processed and smelted in the washing plant. During the smelting process, tin ores and associated minerals are separated, and the tin concentration is increased to 72–74%.

This process is essential to produce high-quality tin metal with a high Sn (tin) content and minimal impurities. In the next stage, tin ores undergo further smelting to be refined into tin metal. To obtain the highest quality tin, a refining process is performed using a purification device called a crystallizer, equipped with electrolytic refining capabilities.

The company operates 12 furnaces, with one furnace located in Kundur, Riau Islands, and another in Mentok, Bangka. The final product is typically in the form of tin bars, with an average weight of 16 to 30 kg per bar. Additionally, the appearance of the tin metal can be customized according to customer requirements, and each product is hallmarked in accordance with the standards of the London Metal Exchange (LME).



BUSINESS PROSPECT

The company continues to pursue the development of tin and other mineral businesses, one of which is the Rare Earth Metal project, commonly referred to as Rare Earth. Rare Earth Metal is an associated mineral derived from the tin ore mining process and has tremendous benefits.

The large demand for rare earth metals in the market has led the company to focus on producing them. The project, located in Tanjung Ular, Bangka, is expected to begin production soon and contribute significantly to the company's revenue.

With a production capacity of 50 kg per day, the price reaches US $230 per kg. The uses of Rare Earth Metal include raw materials for various electronic products such as TV screens, laptops, cell phones, and others.



Empowering Industries with Precision

Our aluminum products include Aluminum Billets, Aluminum Alloys, and Aluminum Ingots. Aluminum has several advantages: it's lightweight, strong, easily formable, and corrosion-resistant. It also has high electrical conductivity, withstands both heat and cold, and is fully recyclable. These qualities make aluminum a valuable material used across many industries.



Inal Metal Nusantara's Aluminum Product

Aluminum Ingot

Inal Metal Nusantara produces high-quality Aluminum Ingots in several grades. The most common and highly requested grade is 99.7% purity.

Aluminum Billet

Aluminum are cast in billets to make automotive, and aerospace parts and also for other applications like packaging, construction, electrical, and electronics.

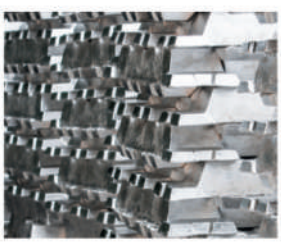
Aluminum Alloy

Inal Metal Nusantara produces its premium alloy, production process utilizes ODT technology from Australia, employing a reverberatory furnace equipped with a magnetic stirrer to ensure a homogeneous mixture.



Aluminum Ingot

Inal Metal Nusantara's primary product variant weighs 22.7 kg per ingot and is available in two purity levels: 99.90% and 99.70%. Aluminum ingots typically undergo a remelting process to be transformed into various end products, including automotive components, building materials, and more.







Aluminium Purity Ingots	Specification
Dimensions	
Length	800 mm
Width	200 mm
Height	85 mm
Al Purity	99.70%

Inalmetal mfg nusantara

Aluminum Ingot

Primary Grade
- Al 99.7%
- Al 99.8%
- Al 99.9%



Specification (%)			
Al	99.7% min.	99.85% min.	99.9% min.
Si	0.1% min.	0.7% min.	0.4% min.
Fe	0.13% min.	0.11% min.	0.03% min.
Cu	0.01% min.	0.005% min.	0.001% min.
Ga	0.03% min.	0.03% min.	0.03% min.
Mg	0.025% min.	0.02% min.	0.02% min.
Zn	0.025% min.	0.03% min.	0.03% min.
Mn	0.01% min.	0.01% min.	0.01% min.
Others	0.01% min.	0.15% min.	0.03% min.
Sum	0.1% min.	0.15% min.	0.3% min.

Specification		
Length	:	800 (mm)
Width	:	200 (mm)
Height	:	85 (mm)
Al purity	:	99.70%



Aluminum Billet

Aluminum are cast in billets to make automotive, and aerospace parts and also for other applications like packaging, construction, electrical, and electronics. Aluminum billets can be produced out of primary and remelt or secondary aluminum.





Inalmetal mfg nusantara

Aluminum Billet

3 type of Billet:
- Billet 6005
- Billet 6061
- Billet 6063

Diameter:
3 inch = 76,2 mm ± 1 mm
Weight: 71,4 kgs each
3.5 inch = 88,9 mm ± 1 mm
Weight: 97,1 kgs each
4 inch = 101,6 mm ± 1 mm
Weight: 127 kgs each
5 inch = 101,6 mm ± 1 mm
Weight: 198,5 kgs each
6 inch = 127 mm ± 1 mm
Weight: 285 kgs each
7 inch = 178 mm ± 2 mm
Weight: 386,5 kgs each
8 inch = 203 mm ± 2 mm
Weight: 506,5 kgs each

Length:
Billet = 400mm-1000mm ± 6 mm
Log= 1,001mm-6000mm ± 15 mm



Specification (%)			
Alloy	6053	6061	6005
Si(%)	0.2~0.6	0.4~0.8	0.6~0.9
Fe(%)	0~0.8	0~0.7	0~0.35
Cu(%)	0~0.8	0.15~0.4	0~0.1
Mn(%)	0~0.1	0~0.15	0~0.1
Mg(%)	0.45~0.9	0.8~0.12	0.4~0.6
Cr(%)	0~0.1	0.04~0.35	0~0.1
Zn(%)	0~0.1	0~0.25	0~0.1
Ti(%)	0~0.1	0~0.15	0~0.1
Other Each	0.5	0.5	0.5
Other Total	0.15	0.15	0.15



Aluminum Alloy

Inal Metal Nusantara produces aluminum alloys through a degassing process using nitrogen gas to remove hydrogen content and separate impurities, resulting in high-quality aluminum alloy products. These alloys are used for various automotive applications such as wheels, engine blocks, vehicle frames, and other components.

The alloy production process utilizes ODT technology from Australia, employing a reverberatory furnace equipped with a magnetic stirrer to ensure a homogeneous mixture. In addition, a ceramic foam filter is used to remove inclusions and maintain the purity and quality of the final aluminum alloy product.

Inalmetal mfg nusantara

Aluminum Alloy

ADC 12
Weight: 6 kgs each

Secondary Grade
Weight: 20 kgs each



ADC 12

Element	Typical Percentage
Silicon (Si)	9,6 - 12,0 %
Copper (Cu)	1,5 - 3,5 %
Iron (Fe)	≤ 9,6 %
Manganese (Mn)	≤ 0,5 %
Magnesium (Mg)	≤ 0,3 %
Zinc (Zn)	≤ 1,0 %
Nickel (Ni)	≤ 0,5 %
Lead (Pb)	≤ 0,10 %
Tin (Sn)	≤ 0,3 %
Al (Balance)	Balance

Secondary Grade

Element	Typical Percentage
Aluminum (Al)	Min. 97,0 %
Silicon (Si)	0,6 - 1,0 %
Iron (Fe)	0,5 - 0,8 %
Copper (Cu)	≤ 0,20 %
Zinc (Zn)	≤ 0,15 %
Manganese (Mn)	≤ 0,10 %
Others (each)	≤ 0,05 %
Others (total)	≤ 0,15 %



Empowering Industries with Precision

Our tin products include LME Tin Ingots and Non-LME Tin Ingots. Tin is valued for its excellent corrosion resistance, good electrical conductivity, and malleability, making it suitable for a wide range of applications. It is a versatile material that can be easily formed and processed, offering reliable performance across various industries.

Tin Ingot

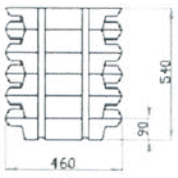
Inal Metal Nusantara produce Tin Ingots with premium quality. There are several qualities produced by Inal Metal Nusantara, but the most demanded ones are 99.92% - 99.98%.

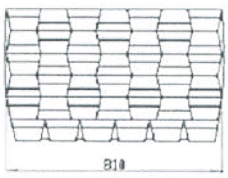


Inal Metal Nusantara's Tin Product

This product can be used as coating materials in food, machinery, electrical appliances, automotive, aerospace and other industrial sectors have a very wide range of uses. In the float glass production, the molten glass floats on the surface of the cooling pool of molten tin cure. Package: 25 kg per ingot, then 1000 kg per bundle, or as customers requirement.







Inalmetal mfg nusantara

Tin Ingot

Size:
25 kgs each

Dimension:
48 cm x 81 cm x 54 cm

Specification:
Min. 99.2% - Max. 99.8%
Min. 99.9%



Specification (%)		
	99.92% Min - 99.98% Max	99.99% Min
Lead(Pb)	Max. 100% ppm	Max. 24% ppm
Bismuth(Bi)	Max. 40% ppm	Max. 7% ppm
Antimony(SB)	Max. 100% ppm	Max. 10% ppm
Copper(Cu)	Max. 90% ppm	Max. 10% ppm
Zinc(Zn)	Max. 10% ppm	Max. 3% ppm
Aluminium (Al)	Max. 10% ppm	Max. 2% ppm
Arsenic (As)	Max. 150% ppm	Max. 10% ppm
Cadmium (Cd)	Max. 10% ppm	Max. 3% ppm
Iron (Fe)	Max. 50% ppm	Max. 10% ppm

Your Path to Quality and Reliability with Inal Metal Nusantara

The supply and demand for aluminum in the market are almost balanced. Inal Metal Nusantara serves over 50 customers across Indonesia and several other countries. Our products include Aluminum Ingots, Aluminum Billets, Aluminum Alloys, and Tin Ingots. Since becoming a state-owned enterprise, these products have been prioritized for the domestic market. For more information on how to buy our products, please contact us.

1

CONTACT

For any questions or further information about PT Inal Metal Nusantara's products,please contact our Marketing / Sales Department via:

- Tel: (+62) 21-5042-0094
- Email: info@inalmetal.co.id

2

SPECIFY YOUR REQUIREMENTS

Currently, PT Inal Metal Nusantara produces three types of aluminum products, namely:

1. Aluminum Ingot
   - Primary Aluminum Ingot (Unalloyed), 99.70% Al.
   - Primary Aluminum Ingot (Unalloyed), 99.90% Al.
2. Aluminum Billet
   - 6xxx Series (5-inch, 7-inch, 8-inch).
   - High-Quality Aluminum Ingot.
3. Aluminum Alloy

3

SAMPLE ORDER AND PAYMENT

1. The minimum sample order for all aluminum products is 50–200 tons.
2. The minimum sample order for all tin products is 10–20 tons.

Payment Terms:
For sample orders, we only accept a 50% booking fee, with the balance payable against the Draft Bill of Lading (B/L).

4

PURCHASE AGREEMENT

Payment Terms:

- For the first order, payment shall be made in advance via Telegraphic Transfer (TT).
- For the second order, payment may be made via Letter of Credit (L/C) at sight.
- Our issued Proforma Invoices (PI) cannot be cancelled because each invoice is already connected to our financial system.
- Our issued Proforma Invoices (PI) must be signed by the customer within three working days.

5

NEGOTIATION AND FACTORY VISIT

Inal Metal Nusantara's product pricing is based on the London Metal Exchange (LME) price plus a premium.

Factory visit requirements:

1. The customer needs to buy a sample order of 50 – 200 tons, and the company name must already be registered in our system.
2. The factory visit must follow the regulations and schedule set by the smelter.

6

WAREHOUSE

PT Inal Metal Nusantara has two storage warehouses for the delivery of products to domestic and export buyers, as follows:

- Medan Area Warehouse: Serves North Sumatra and surrounding areas (CFR terms).
- Jakarta Warehouse: Serves the Jabodetabek, Banten, and West Java areas (CFR terms).

For export, products are shipped from the LME Warehouse in Singapore / Malaysia and the Medan Warehouse.

Certification & Recognitions

PT Inal Metal Nusantara has been recognised by the Chamber of Commerce and Industry in Indonesia and worldwide under the ISO 9001:2015 (Quality Management System) and ISO 14001:2015 (Environmental Management System) certifications for the following scope: the manufacturing and provision of metal products, including aluminium ingots, aluminium billets, secondary aluminium, and tin ingots.

Certificate of
Trading
ISO 9001:2015





Certificate
Chamber of Commerce and Industry

Certificate of
Manufacturer
ISO 9001:2015





Certificate of
Manufacturer
ISO 14001:2015

Inalmetal mfg
nusantara

PT Inal Metal Nusantara



Sales Office

+62 21 5042 0094

info@inalmetal.co.id

Ruko The Prominence, Jalan Jalur Sutera Boulevard,
Panunggangan Timur, Pinang, Kota Tangerang,
Banten 15143, Indonesia

Tin Ingot Smelter

Pulau Kupang, Kec Tj Samak, Kabupaten
Meranti, Riau, Indonesia

Aluminum Factory

Jl. Karya Darma, Tj Morawa, Kilometer 19,
Sumatra Utara, Indonesia

mfg

Inalmetal nusantara

PT Inal Metal Nusantara



Our Distributor

Indonesia

Rajawali Persada Group

Menara Syariah Unit MSE, Pantai Indah Kapuk 2,
Kabupaten Tangerang, Banten 15213, Indonesia

+62 21 5032 1985 info@rajawalipersadagroup.co.id

Asia

Sungold Global Enterprise

Wisma UOA II, Jalan Pinang, 50450 Kuala Lumpur

+60 32 181 4530 nadir@sungoldasia.com.my