Tin (Sn)

Base Year 2025

World Production

273,559 t of contained Sn

-3.7%

Brazil Production

11,559 t of contained Sn

-10.9%

National Highlight

Production concentrated in Amazonas (55.6%), Rondônia (30.4%) and Pará (8.7%).

Trade Balance

↑ Surplus of USD 286.4 million

Exports

USD 298.9 million

-4.4%

Mining Royalties (CFEM)

R$ 36.5 million

+18.7%

% Change 2025 vs 2024



What is Tin?

Tin (Sn) is a metallic chemical element (atomic number 50), silvery in color, relatively soft, corrosion-resistant and with a low melting point.

Occurrence

In Brazil, the main reserves and mines are in Amazonas, Rondônia and Pará. In nature, its main source is cassiterite, a mineral composed of tin dioxide (SnO_2). It occurs both in primary deposits, associated with the rocks that gave rise to the mineralization, and in secondary deposits, in which its grains accumulate in gravels and sediments through weathering and water action.

Main Applications

It is used mainly in electronic solders, in anti-corrosion coatings for steel sheet and in the production of metal alloys such as bronze. It is also used in chemicals, coatings, special glass, automotive components and microelectronics.

Electronics solder accounts for about half of global tin demand, directly linking the metal's price to the expansion of data centers, semiconductors and artificial intelligence.

1. World Supply

In 2025, world tin production reached 273,559 tonnes of contained Sn, a decrease of approximately 3.7% from the previous year (283,966 t). Brazil accounted for 4.2% of world supply.



Table 1 – Main tin producing countries (contained Sn) – 2025

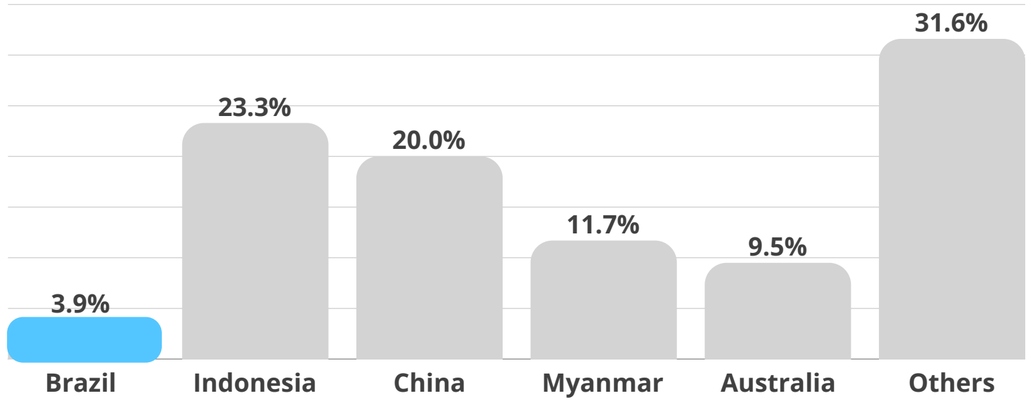
Country	Production (t)	Share (%)
Brazil	**11,559**	**4.2**
China	71,000	26.0
Indonesia	61,000	22.3
Peru	33,000	12.1
DRC	27,000	9.9
Other Countries	70,000	25.5
Total	**273,559**	**100.0**

Source: ANM; USGS-Mineral Commodity Summaries 2026.

2. Reserves

According to the United States Geological Survey (USGS), world tin reserves in 2025 amounted to approximately 6 million tonnes of contained Sn, distributed as follows (in t): Indonesia (1,400,000), China (1,200,000), Myanmar (700,000), Australia (570,000) and Brazil (232,475).

Distribution of the Main World Tin Reserves (contained Sn) – 2025





Brazil's share of global reserves is approximately 3.9%, corresponding to 232,475 tonnes of contained Sn (proven and probable reserves), as reported in the Annual Mining Report (RAL).

Source: ANM; USGS - Mineral Commodity Summaries 2026 (Tin).

3. Domestic Production

In 2025, Brazilian tin production totaled 11,558.9 tonnes of contained Sn, a decrease of 10.9% compared with 2024. Production is concentrated in the states of Amazonas, Rondônia and Pará.

Year	2023	2024	2025
Tin (contained Sn, t)	12,687.8	12,966.3	11,558.9



Brazilian production in 2025 was distributed among Amazonas (6,423.0 t; 55.6%), Rondônia (3,517.2 t; 30.4%) and Pará (1,004.5 t; 8.7%). The leading municipalities are Presidente Figueiredo/AM and Ariquemes/RO.

Source: ANM

4. Foreign Trade

In 2025, the tin sector recorded a trade surplus of USD FOB 286.4 million.



Mineral Sector Exports

Total: USD FOB 298.9 million
Change: -4.4%

Main destinations:
Netherlands (34.5%)
Spain (16.9%)
United States (13.5%)

Mineral Sector Imports

Total: USD FOB 12.5 million
Change: +33.4%

Main origins:
United States (41.6%)
France (14.4%)
China (13.5%)

Source: Open Data/Ministry of Development, Industry, Trade and Services (MDIC) and COMEXMIN/ANM

- Data include the Mineral Extraction Industry (IEM) and the Mineral Processing Industry (ITM)

***USD FOB/t** = The seller fulfills its obligations and responsibilities when the goods, cleared for export, are delivered, stowed on board the vessel at the port of shipment, both indicated by the buyer, on the date or within the agreed period.

Foreign trade: main products of the mineral extraction industry (IEM) in 2025

Main Exported Products

	NCM 26090000 - Tin ores and concentrates
USD FOB	13,801,190
EXP Share (%)	100.0

Main Imported Products

	NCM 26090000 - Tin ores and concentrates
USD FOB	1,441,776
IMP Share (%)	100.0

Foreign trade: main products of the mineral processing industry (ITM) in 2025

Main Exported Products

	NCM 80011000 - Unwrought tin, not alloyed	NCM 80030000 - Tin bars, rods, profiles and wire
USD FOB	269,326,221	10,188,431
EXP Share (%)	94.5	3.6

Main Imported Products

	NCM 80070020 - Tin powders and flakes	NCM 80030000 - Tin bars, rods, profiles and wire
USD FOB	6,374,907	2,916,844
IMP Share (%)	57.5	26.3

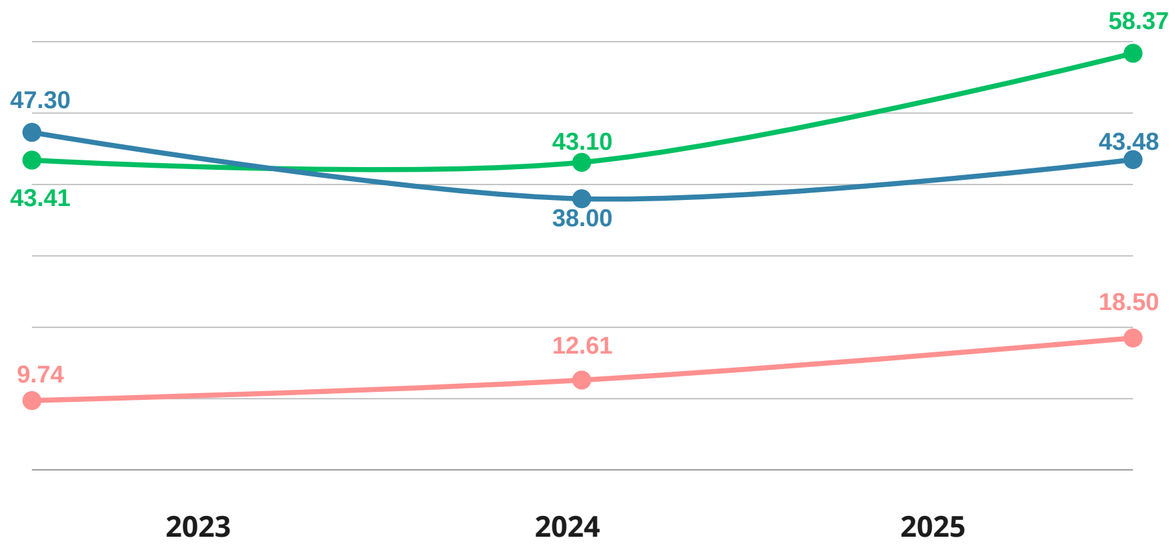
Source: Open Data/Ministry of Development, Industry, Trade and Services (MDIC) and COMEXMIN/ANM

***USD FOB/t** = The seller fulfills its obligations and responsibilities when the goods, cleared for export, are delivered, stowed on board the vessel at the port of shipment, both indicated by the buyer, on the date or within the agreed period.

5. Prices

Tin prices are determined by supply and demand conditions in the main international markets, strongly influenced by demand for electronic solders.

Chart – Average FOB Prices - USD/kg net - Last 3 Years



Tin powders and flakes
NCM: 80070020

Tin bars, rods, profiles and wire
NCM: 80030000

Tin ores and concentrates
NCM: 26090000

Source: Open Data/Ministry of Development, Industry, Trade and Services (MDIC).
***USD FOB/kg** = The seller fulfills its obligations and responsibilities when the goods, cleared for export, are delivered, stowed on board the vessel at the port of shipment, both indicated by the buyer, on the date or within the agreed period.

6. Financial Compensation for the Exploitation of Mineral Resources (CFEM)

In 2025, collections of CFEM, Brazil's mining royalty, for tin totaled R$ 36,527,098.02, an increase of approximately 18.7% over 2024 (R$ 30,772,726.95). Amazonas and Rondônia account for most of the collections.

State	Amount Paid (R$)
AM	16,390,642.54
RO	13,653,227.21
MG	2,713,207.68
Other States	3,770,020.59
Grand Total	**36,527,098.02**

7. Investments and Mining Rights

In 2025, tin investments totaled R$ 84.1 million, concentrated mainly in the mine stage (57.1%).

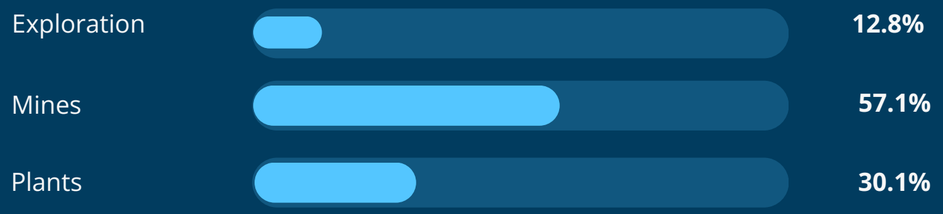
Mining Investments

In 2025, according to the Mineral Exploration Investment Declaration (DIPEM) and the Annual Mining Report (RAL), total investments declared for tin amounted to R$ 84.1 million. Most of it (57.1%) went to mines, followed by plants (30.1%) and mineral exploration (12.8%).

Main States

X

Investment Breakdown



Mining Rights 2025

Main States

- PA (22 permits)
- RO (17 permits)
- AM (16 permits)

Mineral Exploration

- 124 exploration permits in 2025 (172 in 2024)
- 7 Final Exploration Reports approved

Mining Applications

- 6 new mining applications

Mining Concession/ PLG

- 3 mining concession orders published
- 9 PLGs published

Note: X – Data withheld to avoid disclosing individual information (confidentiality of declared data).

8. Relevant Factors

Tin was one of the non-ferrous metals with the highest price appreciation in the period. The main driver of demand is no longer just traditional electronics, but now also includes the expansion of data centers and chips, which links the metal's price directly to the boom in semiconductors and artificial intelligence.

In Brazil, a highlight was the acquisition of Mineração Taboca by the Chinese group CNMC, completed in 2025. The transaction brought the mining operations in Pitinga/AM and the metallurgical operations in Pirapora do Bom Jesus/SP into the group.

Source: Lion Rock Resources – Tin Price Forecast 2026: Why Tin Is Surging and Where the Deficit Leads (Aug 17, 2026).