



Global Ferrotitanium Market

Market size, segmentation, competitive landscape and outlook

2021-2031

September 2026

Moving forward, together



Every one of us has, at some point, heard the line from *Alice in Wonderland*: “It takes all the running you can do, to keep in the same place. If you want to get somewhere else, you must run at least twice as fast.” Cliché as the quote has become, our world is changing at extraordinary speed. And yet, to my mind, it matters not only to run fast, but — more importantly — to know where you are running.

We see ourselves as the navigator, ready at the right moment to point out the correct course. By providing current, timely information for the decisions that matter, we aim to protect our clients from missteps and to help them find new opportunities.

It matters to us that you are satisfied with the work we have done. If you have any questions about this report, we will be glad to answer them.

ANDREY SHEVCHENKO, Managing Partner

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Market at a glance

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Indicator	Value
Market size (2025)	USD 252.4 m
Forecast (2031)	USD 324.7 m
CAGR (2021-2031)	4.3%
Study period	2021-2031
Largest region	Asia-Pacific · 41.8%
Fastest-growing region	Asia-Pacific · 5.6%
Market concentration	Moderate
Licence	Individual / Company

The global ferrotitanium market reached USD XXX million in 2025 and is forecast to attain USD XXX million by 2031, expanding at a CAGR of XX%. Demand is anchored in steel deoxidation, nitrogen control and grain refinement, while tighter residual-element specifications are increasing the premium for FeTi 70 made from segregated titanium scrap. Asia-Pacific accounted for XX% of 2025 revenue and will remain the largest and fastest-growing regional market. The competitive advantage is shifting toward producers that control aerospace-grade scrap streams, analytical laboratories, crushing and sizing operations, and cored-wire conversion.

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Executive summary

The global ferrotitanium market reached USD XXX million in 2025 and is forecast to attain USD XXX million by 2031, expanding at a CAGR of XX%. Demand is anchored in steel deoxidation, nitrogen control and grain refinement, while tighter residual-element specifications are increasing the premium for FeTi 70 made from segregated titanium scrap. Asia-Pacific accounted for XX% of 2025 revenue and will remain the largest and fastest-growing regional market. The competitive advantage is shifting toward producers that control aerospace-grade scrap streams, analytical laboratories, crushing and sizing operations, and cored-wire conversion.

Indicator	Value
Market size 2025	XXX
Forecast 2031	XXX
CAGR	XXX
Largest region	XXX
Fastest region	XXX

Key findings

- Global ferrotitanium revenue reached USD XXX million in 2025 and will rise to USD XXX million by 2031.
- Market volume totaled XXX metric tons in 2025 and is forecast to reach XXX metric tons in 2031.
- FeTi 70 represented XX% of 2025 market value because steelmakers pay a premium for higher titanium recovery and tighter impurity control.
- Steel deoxidation, denitrification and inclusion control generated XX% of 2025 ferrotitanium revenue.
- Asia-Pacific held XX% of global revenue in 2025 and is forecast to expand at a XX% CAGR through 2031.
- Titanium-scrap remelting accounted for XX% of 2025 market value, making scrap access and sorting capability the principal upstream differentiators.
- The World Steel Association reported XXX metric tons of global crude steel production in 2025, including XXX tons in China and XXX tons in India.
- CRONIMET Brasil established Latin America's first ferrotitanium facility with stated FeTi 70 capacity of XXX metric tons per month.

Market size and forecast

Market value by year, USD bn

Indicator	2026	2027	2028	2029	2030	2031	CAGR
Market value, USD bn	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Market volume	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Production	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Imports	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Exports	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Apparent consumption	XXX	XXX	XXX	XXX	XXX	XXX	XXX

Source: XXX

Year-over-year value change

Indicator	2027	2028	2029	2030	2031	CAGR
Market value	X%	X%	X%	X%	X%	X%
Production	X%	X%	X%	X%	X%	X%
Imports	X%	X%	X%	X%	X%	X%
Exports	X%	X%	X%	X%	X%	X%

Source: XXX

Global Ferrotitanium Market Trends and Growth Drivers

Ferrotitanium demand is determined less by headline crude steel tonnage than by the metallurgical complexity of the steel mix. Clean, stabilized and microalloyed grades require controlled titanium additions to bind oxygen and nitrogen, refine grains and manage inclusions, giving FeTi suppliers leverage in automotive, energy, stainless and engineering-steel supply chains.

The market's upstream economics revolve around titanium scrap. Aerospace turnings and solids offer attractive titanium units but require segregation, cleaning, preparation and laboratory control; the same material can also be upgraded into titanium ingot, creating direct competition between ferrotitanium producers and higher-purity remelting routes.

Regionalization and carbon accounting are reshaping purchasing criteria. Mills increasingly value short lead times, multiple qualified supply points, recycled content and verifiable product-level emissions alongside chemistry and price, favoring integrated processors that combine scrap procurement, melting, crushing, sizing, testing and cored-wire capability.

Growth drivers

Clean-steel specifications lift FeTi consumption

Automotive sheet, line pipe, stainless steel and engineering steels require tighter control of oxygen, nitrogen and grain structure. Ferrotitanium binds interstitial elements and forms stable titanium compounds, increasing its value in heats where reproducibility and inclusion control determine downstream yield.

Asian specialty-steel capacity expands

India, China and Southeast Asia are adding higher-value flat, stainless and engineering-steel capacity alongside broader infrastructure-led steel demand. The resulting mix shift supports faster ferrotitanium consumption than aggregate global crude steel growth.

Scrap recovery improves feedstock access

Rising aircraft production, machining activity and titanium-component replacement are increasing the recoverable pool of turnings, solids and offcuts. Producers with qualified segregation and preparation systems can convert these streams into FeTi 70 while maintaining strict residual-element limits.

Cored wire raises alloy-addition efficiency

Ferrotitanium-filled wire delivers the alloy below the slag layer and enables more precise titanium adjustment than bulk additions. Higher recovery and reduced treatment variability support adoption in continuous-casting and secondary-metallurgy operations.

Supply-chain localization accelerates

Steelmakers are reducing dependence on long and geopolitically exposed alloy routes by qualifying regional producers and maintaining dual-source contracts. New capacity in Brazil and Southeast Asia broadens the addressable market for locally delivered ferrotitanium.

Low-carbon procurement favors recycled inputs

Steel producers increasingly assess alloy additions through supplier emissions, recycled content and traceability metrics. Scrap-based induction melting gives ferrotitanium producers a commercially relevant pathway to lower product-level emissions and preferred-supplier status.

Restraints

Titanium scrap competition compresses margins

Ferrotitanium producers compete for clean titanium scrap with remelters serving aerospace and commercial titanium markets. When premium scrap is redirected toward titanium ingot, FeTi producers face higher charge costs or must accept a narrower range of achievable impurity specifications.

Substitute microalloys limit penetration

Niobium and vanadium can deliver alternative strengthening and grain-refinement pathways in selected steels. Steelmakers optimize alloy recipes according to performance, recovery and delivered cost, constraining ferrotitanium growth when competing microalloys offer a lower cost per unit of metallurgical benefit.

Mature steel markets remain subdued

Slow construction activity, mill rationalization and weak manufacturing output limit bulk steel demand in parts of Europe and Northeast Asia. Ferrotitanium remains supported by premium steel grades, but lower mill utilization reduces spot purchasing and inventory turnover.

Energy and compliance costs raise barriers

Induction melting, crushing, dust control, laboratory testing and hazardous-material management create a meaningful fixed-cost base. Smaller producers face additional pressure from customer qualification cycles, emissions documentation and financing requirements for scrap inventories.

Ferrotitanium Market Driver and Restraint Impact on the Forecast

Drivers — impact on forecast

Driver	Impact on CAGR	Geography	Horizon
Clean-steel specifications lift FeTi consumption	XXX	XXX	XXX
Asian specialty-steel capacity expands	XXX	XXX	XXX
Scrap recovery improves feedstock access	XXX	XXX	XXX
Cored wire raises alloy-addition efficiency	XXX	XXX	XXX
Supply-chain localization accelerates	XXX	XXX	XXX
Low-carbon procurement favors recycled inputs	XXX	XXX	XXX

Source: XXX

Restraints — impact on forecast

Restraint	Impact on CAGR	Geography	Horizon
Titanium scrap competition compresses margins	XXX	XXX	XXX
Substitute microalloys limit penetration	XXX	XXX	XXX
Mature steel markets remain subdued	XXX	XXX	XXX
Energy and compliance costs raise barriers	XXX	XXX	XXX

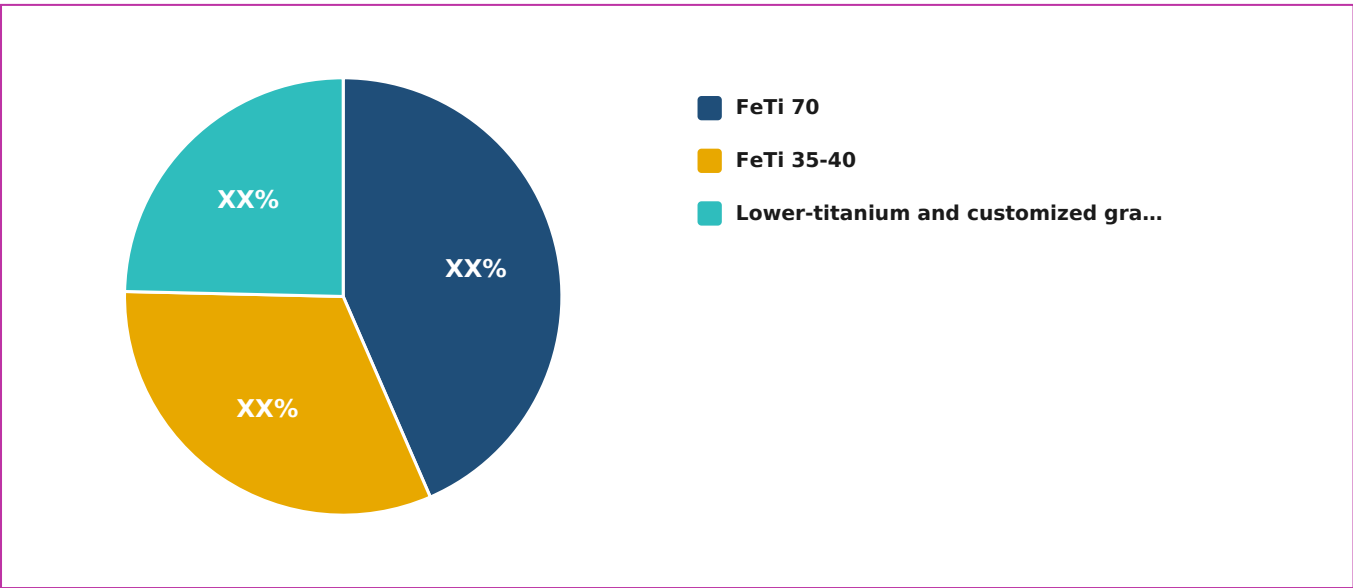
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Ferrotitanium Market Segmentation by Grade, Form, Route and Application

By Grade

FeTi 70 commands the largest value share because its high titanium concentration reduces addition volumes and supports demanding deoxidation, denitrification and grain-refinement practices. FeTi 35-40 remains important where melt-shop economics favor lower titanium concentration or established addition recipes. Customized and lower-titanium grades grow fastest in specialized powder, welding and cored-wire formulations, but remain a smaller revenue pool.

Value share by grade, 2025



Source: XXX

Value by grade, USD bn

Segment	2026	2027	2028	2029	2030	2031	Share 2025	CAGR
FeTi 70	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
FeTi 35-40	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Lower-titanium and customized grades	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

Source: XXX

By Form

Sized lumps remain the standard format for bulk ladle and furnace additions because they are easy to sample, transport and integrate into existing alloy systems. Powders and granules serve cored wire, welding and controlled-dissolution applications. Cored-wire feedstock will grow at a XX% CAGR as

steelmakers seek deeper injection, higher titanium recovery and narrower final-analysis tolerances.

Value by form, USD bn

Segment	2026	2027	2028	2029	2030	2031	Share 2025	CAGR
Lumps	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Powders	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Cored-wire feedstock	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Granules and briquettes	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

Source: XXX

By Production Route

Scrap-based induction melting dominates because titanium solids, turnings and manufacturing offcuts can be upgraded into high-value alloy while retaining a favorable recycled-content profile. Mineral-derived aluminothermic production remains relevant for lower-titanium grades and regions with established mineral-processing infrastructure. Sponge-and-scrap blending grows in premium applications where producers require precise residual-element control and repeatable chemistry.

Value by production Route, USD bn

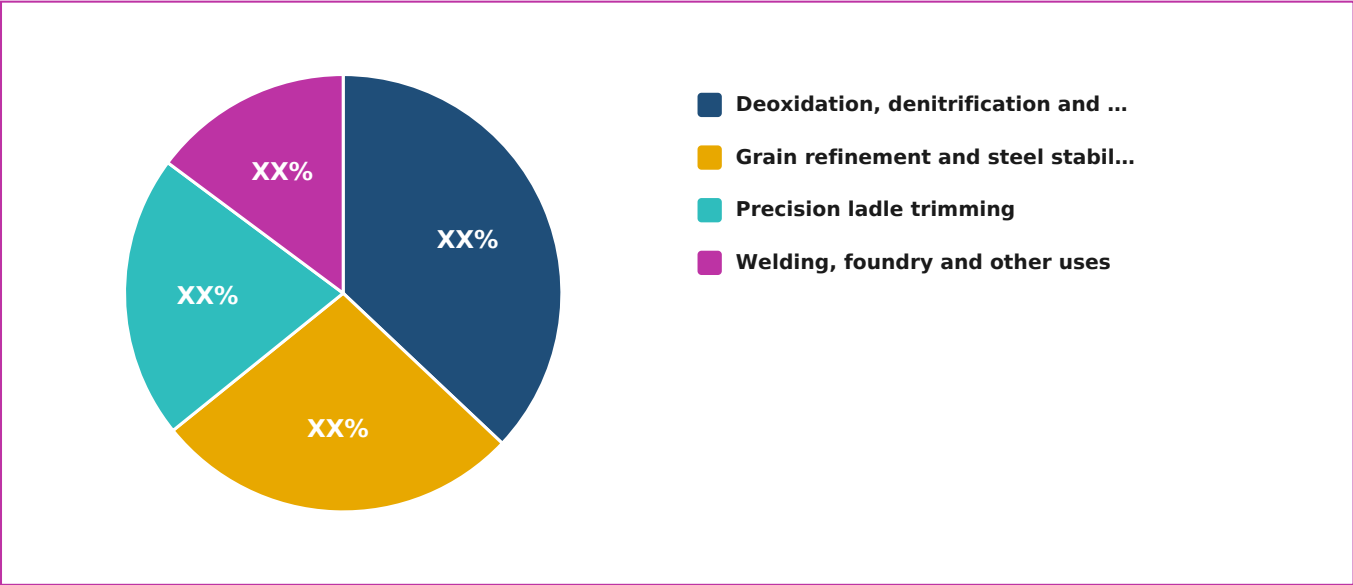
Segment	2026	2027	2028	2029	2030	2031	Share 2025	CAGR
Titanium-scrap remelting	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Mineral-derived reduction	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Sponge-and-scrap blended melting	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

Source: XXX

By Application

Primary steel refining applications dominate as titanium's affinity for oxygen and nitrogen supports cleaner melts and controlled precipitate formation. Grain refinement and stabilization constitute the second-largest segment, particularly in stainless, interstitial-free and high-strength steels. Precision ladle trimming is the fastest-growing application as cored-wire systems improve titanium recovery and reduce heat-to-heat variation.

Value share by application, 2025



Source: XXX

Value by application, USD bn

Segment	2026	2027	2028	2029	2030	2031	Share 2025	CAGR
Deoxidation, denitrification and inclusion control	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Grain refinement and steel stabilization	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Precision ladle trimming	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Welding, foundry and other uses	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

Source: XXX

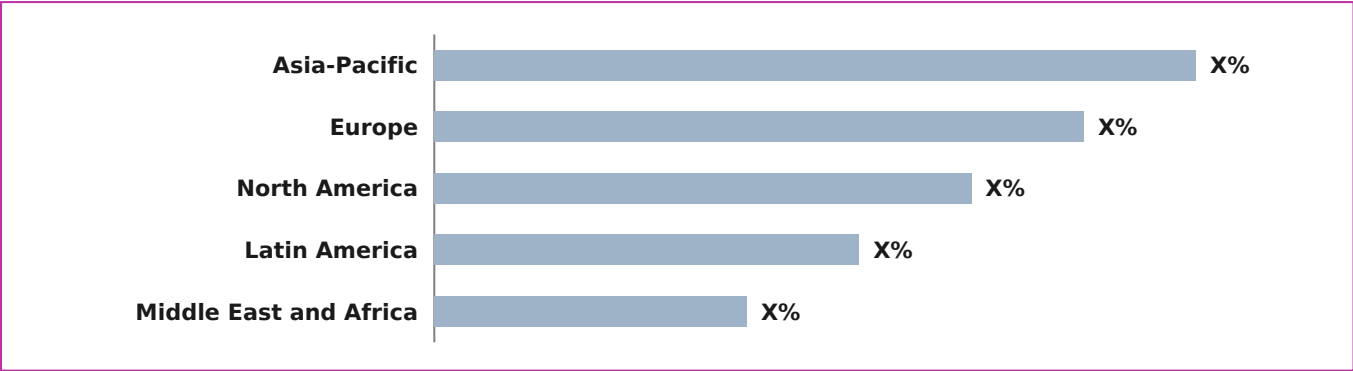
Ferrotitanium Market Regional Analysis and Country Outlook

Asia-Pacific generated XX% of global ferrotitanium revenue in 2025. China remains the largest consuming country through the scale of its steel industry, while India produces the strongest incremental demand as new stainless, automotive, rail and engineering-steel capacity comes online. Japan and South Korea form a smaller but specification-intensive market where low residuals, lot consistency and qualified scrap provenance carry substantial purchasing weight.

Europe accounted for XX% of 2025 revenue and retains an outsized position in premium FeTi 70, titanium-scrap collection and specialty-steel applications. Germany, Italy, the Nordic countries and Türkiye anchor demand, while Estonia, the United Kingdom and continental trading hubs support processing and distribution. Weak regional crude steel volumes are being offset by recycled-content procurement, specialty-grade mix and demand for precisely sized alloy additions.

North America represented XX% of 2025 market value, supported by aerospace scrap generation, electric-arc-furnace steelmaking and high-specification alloy consumption. Latin America is becoming strategically relevant following CRONIMET's Brazilian investment, while Middle Eastern demand is advancing with new steel capacity in Saudi Arabia, Türkiye and neighboring markets. These emerging supply nodes reduce freight exposure and improve responsiveness for local mills.

Growth rate by region, 2025-2031



Source: XXX

Market value by region, USD bn

Region	2026	2027	2028	2029	2030	2031	Share 2025	CAGR
Asia-Pacific	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Europe	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
North America	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Latin America	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Middle East and Africa	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

Source: XXX

Market value by leading country, USD bn

Country	2025	2031	Share 2025	CAGR
United States	XXX	XXX	XXX	XXX
Germany	XXX	XXX	XXX	XXX
United Kingdom	XXX	XXX	XXX	XXX
Belgium	XXX	XXX	XXX	XXX
Netherlands	XXX	XXX	XXX	XXX
Japan	XXX	XXX	XXX	XXX
China	XXX	XXX	XXX	XXX
Mexico	XXX	XXX	XXX	XXX

Source: XXX

Ferrotitanium Market Competitive Landscape and Company Share

The ferrotitanium market is moderately concentrated: the ten leading suppliers captured XX% of 2025 revenue, while regional processors, traders and Chinese producers supplied the balance. Competitive position depends on scrap procurement, impurity management, furnace flexibility, analytical control, product sizing and the ability to carry working inventory close to steelmaking customers.

AMG, CRONIMET, Metraco and FE Mottram, Metalliage, Global Titanium and OSAKA Titanium Technologies combine recognized metallurgy with established titanium feedstock networks. Asian competitors are expanding through lower-cost conversion, vacuum melting and customized powder specifications, while established Western suppliers defend share with low-residual grades, long-term contracts and third-party inspection.

Recent strategy has centered on vertical integration rather than headline consolidation. CRONIMET added FeTi and cored-wire production in Brazil, Metalliage integrates scrap sorting through melting and packing, and OSAKA Titanium blends sponge and scrap in high-frequency induction furnaces. Future market-share gains will favor companies that can document recycled content, product-level emissions and chain of custody while guaranteeing titanium recovery at the steel mill.

Leading companies

Company	HQ	Est. revenue 2025	Market share 2025	YoY
AMG Titanium Alloys & Coatings	XXX	XXX	XXX	XXX
CRONIMET Holding GmbH	XXX	XXX	XXX	XXX
Metraco NV	XXX	XXX	XXX	XXX
FE Mottram OÜ	XXX	XXX	XXX	XXX
Metalliage Inc.	XXX	XXX	XXX	XXX
Global Titanium Inc.	XXX	XXX	XXX	XXX
OSAKA Titanium Technologies Co., Ltd.	XXX	XXX	XXX	XXX
VSMPO-AVISMA Corporation	XXX	XXX	XXX	XXX
Bansal Brothers	XXX	XXX	XXX	XXX
Asia Pacific Titanium (Thailand) Co., Ltd.	XXX	XXX	XXX	XXX

Source: XXX

Ferrotitanium Market Forecast and Commercial Opportunities

The market will expand from USD XXX million in 2025 to USD XXX million in 2031, with volume rising from XXX to XXX metric tons. Structural growth will come from clean-steel requirements and regional specialty-steel investment, while annual pricing will continue to respond to titanium scrap availability, power costs and alloy surcharges.

The base case assumes moderate global steel growth, continued expansion of Indian and Southeast Asian capacity, stable aerospace scrap generation and broader adoption of cored-wire treatment. An accelerated scenario emerges if low-carbon procurement sharply favors recycled FeTi and new Asian steel plants move rapidly into automotive and energy grades; a downside scenario would combine prolonged European steel weakness with high scrap competition from titanium remelters.

Winning suppliers will secure multi-origin scrap portfolios, offer several residual-element bands, operate flexible crushing and screening lines and maintain regional stocks. The strongest investment cases are low-impurity FeTi 70, toll conversion of customer-owned scrap, ferrotitanium-filled cored wire and production platforms serving fast-growing steel corridors outside the traditional European supply base.

Opportunities

- Low-residual FeTi 70 for demanding stainless, line-pipe and automotive steels
- Closed-loop conversion of aerospace and industrial titanium scrap
- Localized production in India, Southeast Asia, the Middle East and Latin America
- Ferrotitanium-filled cored wire for precision ladle metallurgy
- Verified low-carbon ferrotitanium supported by product-level emissions data
- Long-term scrap tolling and alloy supply agreements

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