

South African
Strength.
Worldwide
Vision.



ABANTU
AFRICA STEEL MILLS PTY. LTD

www.abantusteel.co.za





Forged in South Africa. Built for the World.

Abantu Africa Steel Mills was established to meet a clear objective: serve both national and international markets with locally processed steel. Operating from the Umbogintwini Industrial Complex in Amanzimtoti, Durban, we function as a vertically integrated, two-phase steel manufacturing facility. We recycle steel scrap and transform it into billets and finished steel products that support infrastructure, construction, and

industrial development across South Africa and beyond. With established export pathways and proximity to port infrastructure, we are positioned to supply regional and global markets efficiently and reliably. We are rooted in South African industry and connected to global demand.

Our Industrial Foundation

Integrated. Scalable. Export-ready.

We developed our operations in two structured phases to create a complete and continuous steel production cycle.

Phase 1: Induction Furnace Remelting Plant

In this phase, we recycle steel scrap into billets using advanced induction melting furnace technology.

Our facility includes:

- 25-tonne Induction Furnace
- Argon Oxygen Decarburization (AOD) system
- Continuous Casting Machine (CCM)
- Production capacity of 11,000 tonnes per month

This phase forms the metallurgical core of our operation – converting reclaimed steel into high-performance billets suitable for downstream processing and international trade.

Phase 2: Re-Rolling Mill Expansion

The second phase converts billets into finished steel products through dedicated re-rolling and finishing lines.

These products serve construction and industrial sectors within South Africa, while also supporting established export pathways into international markets.

From scrap recovery to finished steel, both phases together allow us to manage the entire journey within one coordinated facility designed for scale. This integrated structure reflects an established industrial facility built for long-term production and sustained operational growth.





About Abantu

Circular Manufacturing

Local Processing. Global Reach.

At Abantu Africa Steel Mills, we process steel scrap domestically rather than allowing it to leave the country unrefined. Through induction, remelting and controlled casting, scrap is returned to productive industrial use.

By strengthening local manufacturing capacity, we contribute to South Africa's circular economy objectives while positioning finished steel products for both domestic distribution and global export. Our approach connects regional resource efficiency with international market participation.

Local Empowerment

Building Industry. Creating Opportunity.

At Abantu Africa Steel Mills, growth is measured not only in production, but in the opportunities we create. Across both phases of our operation, we generate meaningful employment within South Africa's industrial sector.

Phase 1:

- 280 South African local employees
- 70 international technical specialists

Phase 2:

- 120 additional South African local employees
- 30 additional international technical specialists

In total, this represents:

- 400 South African direct jobs
- 100 international technical roles
- Approximately 200 indirect jobs
- Around 700 employment opportunities overall

These roles contribute to skills development, technical exposure, and sustained industrial participation. Through structured growth and collaboration, we are strengthening local capability while building a manufacturing environment designed for long-term impact.

Our Products

Structural Steel for Domestic & International Markets

Steel Billets

Produced with steel scrap sourced in accordance with recognized ISRI classifications and processed through induction melting, AOD refining, and continuous casting, our billets serve as foundational input for structural and industrial steel applications.

Alloys produced include:

- 3SP
- 4SP
- 5SP
- ASTM A36

Customizable chemical composition available as per customer requirements.

Billets produced are available in 100x100 mm, 120x120 mm, 130x130 mm, 4, 5.8 & 6 meter lengths.



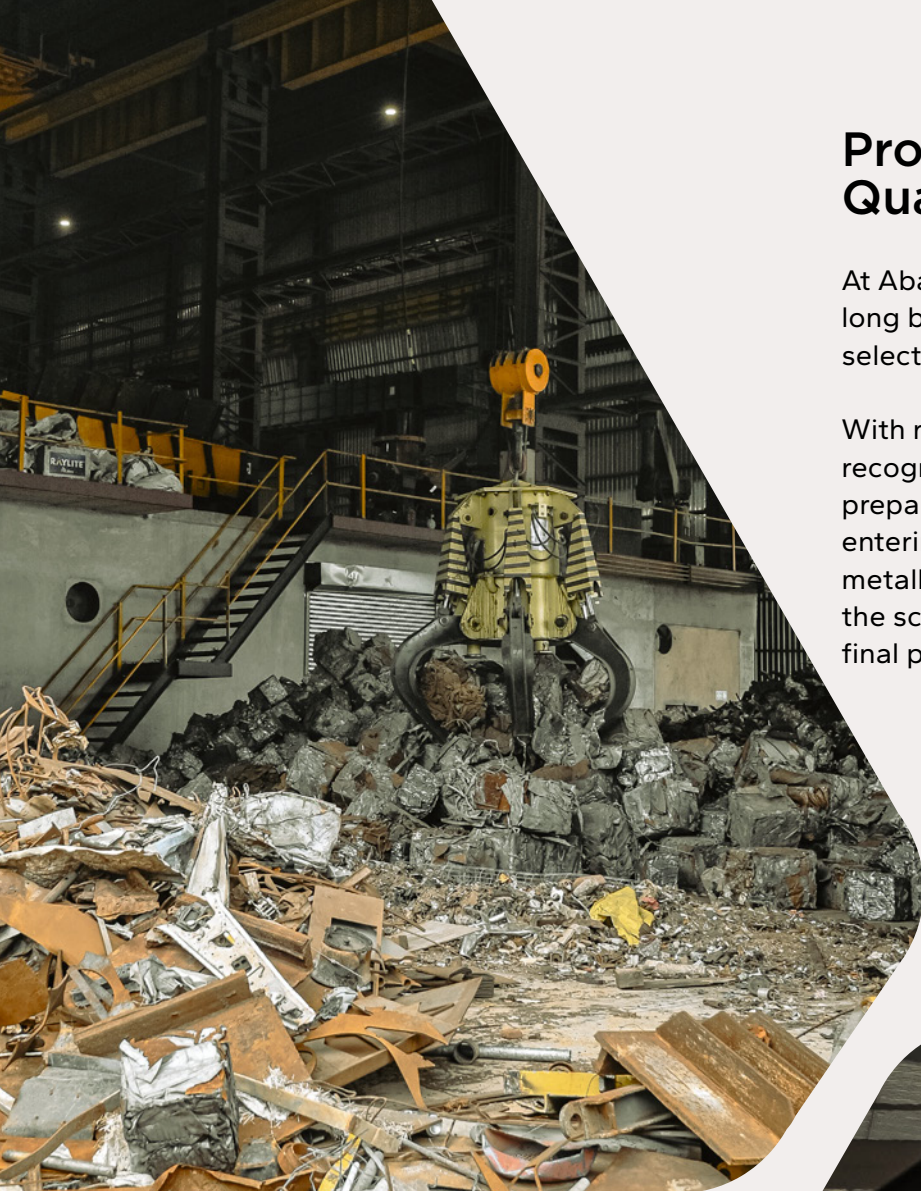
Finished Steel Products

Through our re-rolling and finishing lines, we manufacture:

- Wire rods
- Rebar
- Round bars
- Angle iron
- Channel iron
- Steel sheets

From melting to final shaping, production remains within our controlled industrial environment, where no compromise is made.





Process & Quality Control

At Abantu Africa Steel Mills, our process begins long before the furnace is ignited. It begins with selection.

With responsible sourcing of steel scrap recognized under ISRI specifications, we prepare steel scrap ensuring that the material entering our production cycle supports the metallurgical outcome required. The integrity of the scrap is fundamental to the strength of the final product.



Induction Melting

Scrap is charged into our 25-tonne Induction Furnace, where it is melted under monitored conditions. Induction melting allows us to generate controlled heat while maintaining consistency across each melt cycle.

Once molten, the steel undergoes Argon Oxygen Decarburization (AOD) that enables us to regulate carbon content and adjust chemical balance as required for billet production.

This controlled refining stage is fundamental to producing billets suitable for structural and downstream rolling applications.

Our Phase 1 facility operates at a capacity of 11,000 tons per month, forming the metallurgical core of our integrated operation.

Continuous Casting

Precision in Formation

Following refining, molten steel is transferred to the **Continuous Casting Machine (CCM)**. Through continuous casting, the steel solidifies into billets under controlled cooling conditions. The billets are formed, cut, and prepared for handling within our facility before moving into inspection and staging.

This method ensures continuity between melting and forming allowing us to maintain control across the primary production stage.



Re-Rolling & Finishing

From Billet to Finished Steel

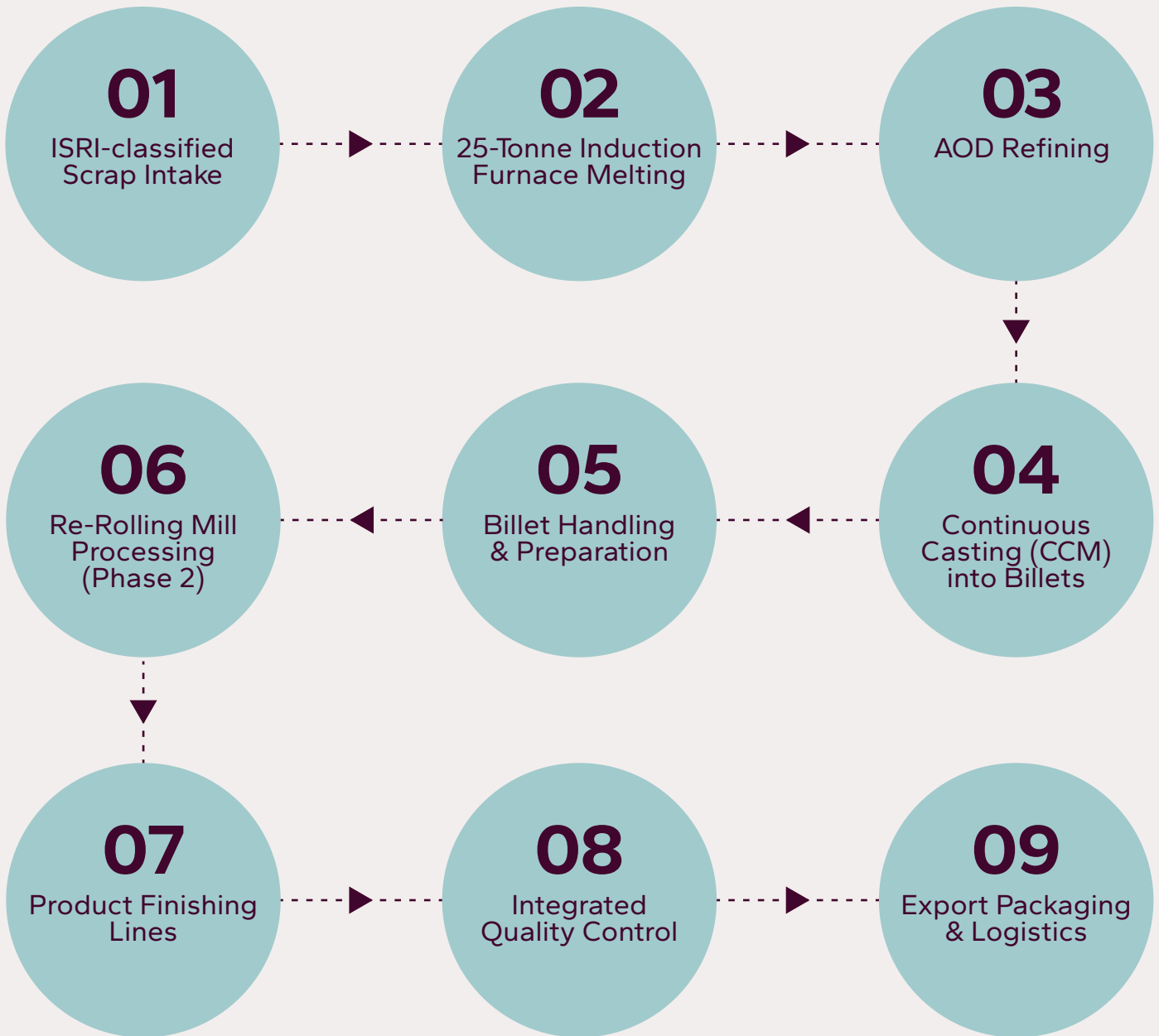
In Phase 2, billets are transferred to our re-rolling mill facility. There, they undergo reheating and mechanical forming through dedicated rolling equipment and product finishing lines. This stage converts billets into finished steel products



Our Manufacturing Process

We follow a structured technical pathway for better efficiency.

Quality control systems are embedded across melting, casting, rolling, and finishing stages to maintain production consistency across both local supply and export output. Each stage is engineered for continuity and repeatability.





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