PRIMETALS TECHNOLOGIES

Press

London, August 29, 2023

ArcelorMittal orders two LD converters (BOFs) and gas cleaning systems for steel plant in Brazil

- **Two new 135-ton LD converters (BOFs) with innovative and maintenance-free suspension solutions and modern slag retention systems**
- **Revamp of primary dedusting systems will reduce emissions to levels significantly below the legal limit in Brazil**
- **Startup scheduled for the first quarter of 2025**

ArcelorMittal has recently contracted Primetals Technologies for the revamping of two LD converters (BOFs) at its steel plant in Jõao Monlevade, Brazil. The order encompasses two new 135-ton converters, an upgrade of the primary dedusting systems, and complete electrics and automation packages.

Significantly reduced emissions

In addition to the new equipment's technological advantages, the main influencing factors for ArcelorMittal's decision were other recently completed projects – such as the new desulphurization plant started in 2018 – and the fact that ArcelorMittal, over time, had built a strong partnership with Primetals Technologies in Brazil.

The upgraded wet-type primary dedusting systems capture dust from the converters and send it to a water treatment plant. The resulting emissions will be significantly below the legal limit set by the Brazilian government. Additionally, the new solution will require much less maintenance than the equipment currently in use. Therefore, the availability of the meltshop will increase.

Shorter production cycles

Primetals Technologies will supply vessels, trunnion rings, suspension systems, tilting drives, bearings, pedestals, and new off-gas cleaning systems for both new converters. A maintenance-free suspension system, Vaicon Link 2.0 keeps the vessel stable and makes thermal expansion in all directions possible. Vaicon Stopper, a slag retention system, minimizes the amount of slag that enters the ladle during tapping. This system ensures shorter production cycles and higher steel quality compared with conventional slag retention systems.

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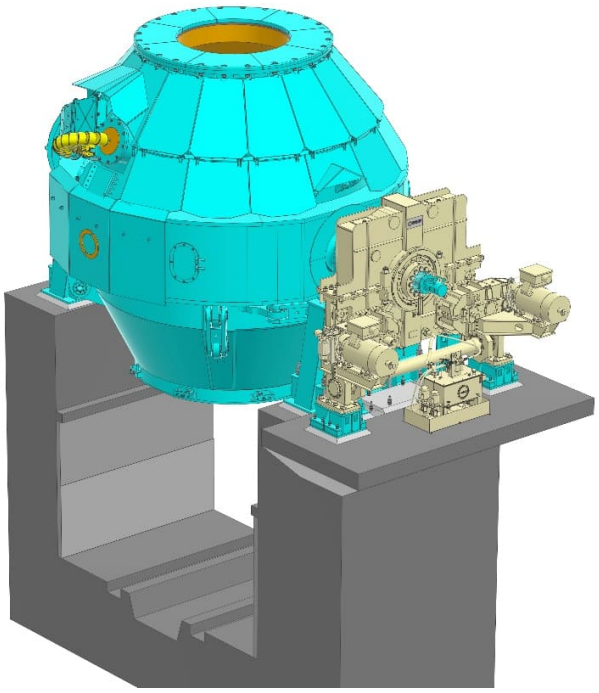
Primetals Technologies will also supply a complete electrics and automation package, including basic (Level 1) automation systems, motors, and drives. The startup of the new equipment is scheduled for the first quarter of 2025.

With a history spanning close to 90 years, ArcelorMittal Monlevade produces wire rod for industrial applications such as steel wool and steel cord. The site is part of ArcelorMittal Brazil's Long Steel division and has an annual capacity of 1.2 million tons.



Primetals Technologies will supply two LD converters (BOFs) to ArcelorMittal Monlevade, one of them pictured here as a 3D rendering.

This **press release** and a **press picture** are available at www.primetals.com/press/

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