



## **EAF STAINLESS**

# OPTIMIZED DESIGN AND LEADING PROCESS TECHNOLOGY

**The ever-increasing global demand for stainless steel can be met by installing melting units with the latest technologies and design features.**

EAF Stainless combines all of the advantages and benefits of the most modern EAF concepts with the special requirements of stainless steel production. Maximized power input and high productivity are the distinctive features of this furnace type. Primetals Technologies is one of the world's leading suppliers of EAFs for the production of stainless steel.

### **FEATURES**

- All features and design elements as outlined for AC and DC EAFs
- Power input up to 120 MW
- Large furnace volume, with consideration given to low density of stainless steel scrap (200 m<sup>3</sup> and greater)
- Tight furnace with minimal shell and roof openings
- Exclusive spout design to enable fast tapping
- Special furnace design to allow tilting angle up to 40°
- Equipped with RCBs for stainless steel with N<sub>2</sub> injection for stirring



160 ton EAF Stainless at Carinox, Belgium

### SELECTED REFERENCES

- Outokumpu Polarit Oy, Finland
- Carinox - Ugine & ALZ, Belgium
- ZPSS - Zhangjiagang Posco Stainless Steel, China
- Tisco, Shanxi Taigang Stainless Steel Corporation Ltd., China
- Lisco, Lianzhong Stainless Steel Corporation, China

### MAIN BENEFITS

- All benefits as outlined for AC and DC EAFs
- Additional productivity improvements thanks to minimized power-off times
- Safe operation and maintenance
- Optimized power utilization
- Tight furnace for optimal process control
- Exclusive spout tapping system

**Primetals Technologies  
Germany GmbH**  
A joint venture of Mitsubishi Heavy  
Industries and partners

Reithallenstr. 1 | 77731 Willstaett-  
Legelshurst | Germany  
[primetals.com](http://primetals.com)

Order No. T02-O-N364-L4-P-V2-EN  
Printed in Linz | © 02.2020

The information (including, e.g., figures and numbers) provided in this document contains merely general descriptions or characteristics of performance based on estimates and assumptions which have not been verified. It is no representation, does not constitute and/or evidence a contract or an offer to enter into a contract to any extent and is not binding upon the parties. Any obligation to provide and/or demonstrate respective characteristics shall only exist if expressly agreed in the terms of the contract. These estimates and assumptions have to be analyzed on a case-to-case basis and might change as a result of further product development. Primetals Technologies excludes any liability whatsoever under or in connection with any provided information, estimates and assumptions. The provided information, estimates and assumptions shall be without prejudice to any possible future offer and/or contract. Any use of information provided by Primetals Technologies to the recipient shall be subject to applicable confidentiality obligations and for the own convenience of and of the sole risk of the recipient. Primetals is a trademark of Primetals Technologies Ltd.