



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 m³ 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 N₂ 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