

INcast[®]

INTERNATIONAL MAGAZINE OF THE INVESTMENT CASTING INSTITUTE



MAY 2018

Volume XXXI

Number 5

Electralloy Celebrates 50th Year



Investment
Casting
Institute

www.investmentcasting.org

Rollover Furnaces
Gaining Status
Among Investment
Casters

Spring
Management
Meeting Photos



50

— years of —
**SPECIALTY STEEL
LEADERSHIP**

Electralloy Celebrates 50th Year

Electralloy is proud to be celebrating the company's 50th year of leadership in specialty steel.

The pioneer of the AOD refining process, Electralloy was the first to introduce AOD master alloy to the investment casting industry in the 70's, delivering enhanced material fluidity for more effective castings. Electralloy has continued to innovate and lead in the production of custom and proprietary alloys for the most demanding applications ever since. Electralloy also holds the distinction of being the longest

continuous AOD Refining operation in the world.

Electralloy provides specialty alloys to the casting, forging and distribution markets in ingot, pig, billet, bar, weld wire and plate (G.O. Carlson). Electralloy is also North America's exclusive licensed producer of all NITRONIC® bar, billet, coil rod, master alloy pigs and ingot products as well as NITRONIC® weld wire and weld consumables.

Electralloy products are used in demanding applications in defense, oil/gas, aerospace and power/nuclear.

Electralloy supplies the casting industry with AOD refined, 15 lb. pigs with certified analysis. Electralloy can also reclaim scrap, gates, risers and miss-runs, melt in their arc furnace, refine in AOD units, and cast 15 lb. pigs with a single certified analysis for heats up to 52,000 lbs.

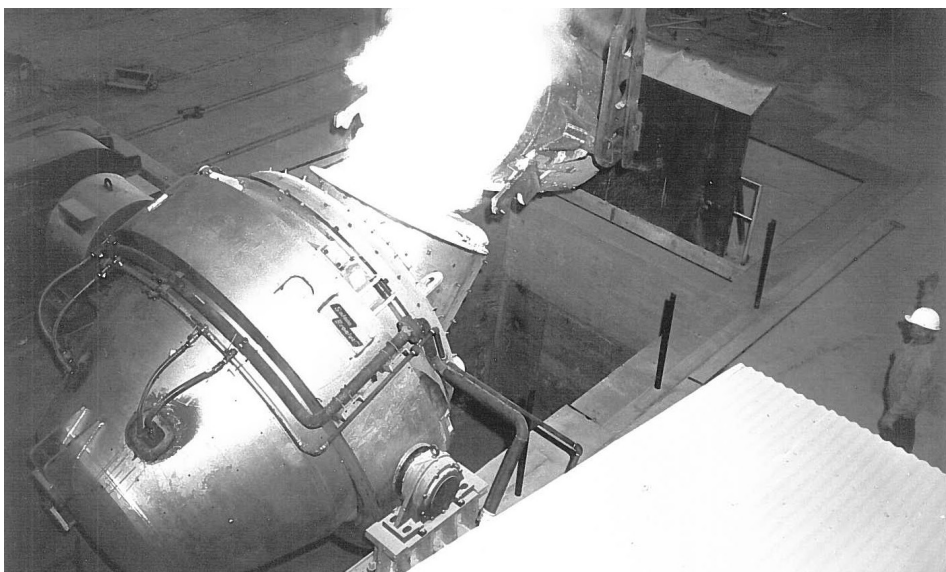
The company's dedication to quality and chemistry control ensures that customers get exceptional quality,

AFFILIATE MEMBER

ELECTRALLOY

www.electralloy.com

Being the first commercial licensee of the argon oxygen decarburization process, Electralloy introduced A.O.D. refined Master Alloy to the investment casting industry in 1970. Electralloy is AS/EN/ JISQ 9100:2009, ISO 9001:2008 and NADCAP certified. Supplier of Master Alloy in 15-pound ingots up to 50,000 pounds per heat. Electralloy specializes in stainless, duplex, and "Nitronic®". Electralloy has the exclusive license in North America to produce "Nitronic®" alloy. Technical Services are available for any questions or assistance you may need.





Electralloy supplies AOD refined, 15 lb. pigs with certified analysis. Electralloy can also reclaim scrap, gates, risers and miss-runs, melt, AOD refine and cast 15 lb. pigs with certified analysis to specified chemistry.

cleanliness and repeatable metallurgy heat after heat, year after year. A fully equipped NADCAP certified, on-site lab and three metallurgists combine with industry-best practices to make sure Electralloy's metal truly makes the difference in applications where there is no room for error. The company holds the following quality certifications: AS9100/C EN9100:2009 / JISQ9100:2009, ISO 9001:2008-ANSI/ ISO/ASQ 9001:2008.

History

- Electralloy had its genesis in 1967 and started up an Electric Arc Furnace in 1968 to reclaim stainless steel grindings into 200 pound pigs for remelt.
- In 1970 Electralloy licensed the first commercial Linde AOD furnace and produced the first heats of stainless steel in July of that year. A second Linde AOD was commissioned in 1974.
- A Wrought Finishing Facility was added in 1976 to provide value added service.
- In 1991 Electralloy became part of G.O. Carlson Inc. a world leader in high performance corrosion and heat resistant materials. G.O. Carlson has over 80 years of innovation in stainless steel and nickel plate.
- Electralloy added Electroslag Remelt and Vacuum Arc Remelt capability in 1998 as the company expanded its product offering.
- In 2007 a new Wrought Products facility was built to house a state-of-the-art Hetran bar peeler, 9 production saws and contact and immersion UT testing.

- Heat treat and quench capability was added in 2014 with the addition of two cutting edge furnaces with air, water, and polymer quenching options to meet customer requirements.

A History of Versatility

Electralloy offers customers access to an amazing range of alloys, with the ability to melt anything from pure nickel to pure iron to stainless, duplex stainless, super duplex, Nitronic®, copper-nickel, nickel-copper or nickel alloys. On staff metallurgist are available to assist with custom grade development.

The partnership of Electralloy and G.O. Carlson has resulted in a strong, stable company with the ability to continually invest in equipment, technology and people to remain globally competitive.

