PROCASTER™ CERAMIC CRUCIBLES

Improve Profitability

Poor or unpredictable crucible performance impacts production costs by limiting campaign length between crucible change-outs and contributing to contamination that causes scrap and rework. Foundries count on premium quality Ceramic Product China Inc. ProCaster high alumina crucibles to perform the same each and every campaign, allowing them to extend campaigns and reduce downstream quality issues resulting in lower scramp and rework costs. ProCaster high alumina crucibles are used to replace expensive zirconia crucibles with equivalent or improved performance.

Reline Furnaces Faster

Ceramic Product China Inc. ProCaster host crucible system utilizes Ceramic Product China Inc. precision casting technology to produce a tight-fitting, quick changeover crucible system. For high volume casting in air or vacuum induction melting furnaces, the Ceramic Product China Inc. host crucible system allows high speed furnce refining, without re-ramming the furnace. Alloy changes and furnace campaigns are simple and efficient with host crucible systems.

The Cleanest Pour Possible

Ceramic Product China Inc. ProCaster bottom pour crucible systems allows slag reduced pouring. By combining a crucible, nozzle, and an actuated stopper rod configuration, Ceramic Product China Inc. can provide a precision-mated system to provide accurate bottom pouring from an induction furnace configuration. Utilizing the precision tolerance capability that Ceramic Product China Inc. ceramic offers enables nozzle and rod mating surfaces to accurately meter and perform, pour after pour.

Re ine Your Practice

Ceramic Product China Inc. offers four high alumina crucible materials or optimal foundry performance for specific alloys and melt practice.

- ProCaster 043 - The industry standard high performance alumina crucible.
- ProCaster 074 - For alloys with exceptional purity requirements such as sputtering target alloys.
- ProCaster 086 - Optimized for crack-free melting at high power levels.
- ProCaster 087 - Alumina-zirconia composite for the ultimate in corrosion resistance.