

PRODUCTS FOR AEROSPACE METAL PROCESSING



Blasch ProCaster™ Melt Crucibles

Investment casters rely on Blasch high performance crucibles specifically engineered for coreless induction furnaces in sizes up to 5,000 pound steel capacity. With a variety of crucible compositions available, Blasch engineers assist casters in achieving financial performance objectives by optimizing metal purity, maximizing campaign life and eliminating non-metallic casting inclusions and other quality related downstream costs.



Blasch InterLok™ Tongue and Groove Segmented Crucibles

Blasch contributes to the successful operation of larger induction furnaces (>2,500 pound steel capacity) employing precision tongue and groove segmented crucibles. Available in a variety of premium refractory materials, these systems are individually engineered and offer each user the utmost in control of melt chemistry, the lowest levels of ceramic inclusions in finished product coupled with easy installation and predictable campaign life.



Blasch Atomization Systems

Reliable and controllable powder yields in gas atomization systems are possible using precision Blasch refractory atomization nozzles and pour cups custom engineered to meet process requirements. Blasch can manufacture and assemble these systems to precise dimensional tolerances minimizing variability enabling unparalleled atomization process repeatability, powder quality, and overall cost efficiency.



Blasch Metering Systems

Specialty alloy and casting producers appreciate the value of process control and the impact that reduction of process variability has in maintaining product quality. Blasch engineers and manufactures precision refractory components for the control and metering of metal flow. The superior dimensional control afforded by the Blasch process results in closely toleranced, net-shape metering nozzles, pins and stopper rods that help minimize process variability.



Blasch Launderers, Tundishes and Other Components

Blasch engineers help specialty alloy and casting producers control costs with refractory solutions throughout their premises. Reliable high performance launder and tundish systems are custom engineered to convey and clean molten alloy. Blasch also manufactures an alumina based alloy sampling system that is used to economically measure melt quality.

Blasch provides engineered refractory products, systems and services to deliver consistent quality and performance necessary for turbine alloy and cast components manufacturing, setting the standard for many fixed processes used today.

