

PRODUCTS FOR BILLET CASTING



Blasch Sample Cups

Blasch Sample Cups provide a reliable solution for obtaining accurate molten metal samples for chemical and gas analysis. Manufactured from high-purity alumina, these precision-engineered cups deliver consistent sample geometry while reducing preparation time and machining requirements. Designed to withstand thermal shock and molten metal exposure, they help improve testing accuracy, streamline quality control, and lower overall processing 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 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.



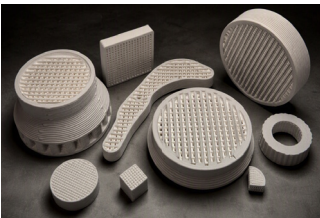
Blasch Mold Stools

Blasch Mold Stools provide durable, reliable support for molds in high-temperature casting environments. Manufactured from advanced ceramic materials, these refractory components offer exceptional strength and thermal stability while withstanding demanding operating conditions. They help maintain process consistency, reduce downtime, and improve overall casting performance.



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 3D Printed Ceramic Filters

Blasch ProCaster™ 3D Printed Filters utilize advanced additive manufacturing and high-performance ceramic materials to improve molten metal cleanliness, control flow, and enhance casting consistency. Their precision-engineered lattice structure reduces turbulence, promotes uniform mold filling, and delivers reliable filtration performance in demanding casting and atomizing applications.

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.

