

## PRODUCTS FOR NON-FERROUS METAL PROCESSING



### **Blasch DuraLadle™ Auto Ladle**

The Blasch ceramic auto ladle is produced from “OXYTRON” silicon carbide material which is non-wetting to aluminum and offers long, trouble-free life without the need for any coating. It features a reusable metal holder and is available in several sizes.



### **Blasch CeraLoop™ Channel Furnace Linings**

Used as erosion resistant linings for Channel Induction Furnaces, Blasch’s pre-cast and pre-fired one-piece or multipiece linings are installed by just casting the refractory around the ceramic lining. The ceramic lining provides an erosion resistant layer of protection between the molten metal and the castable or dry-vibe. Installation is fast and easy and there is no requirement for burn-out. Used in melters or holders, they extend lining life and prevent premature failure.



### **Blasch Aluminum Titanate**

Blasch’s aluminum titanate is a unique material used to make riser tubes, stalk tubes, fill tubes, breaking spouts, bushings, thimbles, dosing tubes, and thermocouple protection tubes. Our products have outstanding properties making them ideally suitable for use in applications in non ferrous casthouses and foundries. Custom-made tubes are available with both standard and projected tube flanges and/or perimeter grooves for ease of attachment.



### **Blasch Nozzles, Down Spouts, Pour Spouts**

Used in the cast house as well as other casting departments for flow control and metering, Blasch’s nozzles, down spouts, and pour spouts offer very precise and repeatable control, giving operators assurance that each and every part will perform exceptionally. They are available in several materials with proven exceptional non-wetting characteristics for easy cleaning and reuse.



### **Blasch Rotary Degassers, Porous Plugs, Lances**

Available in many sizes and styles, Blasch’s degassing components offer controlled tight porosity that allows gas to permeate the body while preventing non-ferrous alloys to penetrate the structure causing plugging or excessive cleaning requirements. Available with unique features, like cast threads and canned assemblies, these components can be configured for static or dynamic uses.

Blasch manufactures some of the highest performing materials available for use in the containment, control and refinement of molten aluminum, zinc, copper and brass, develop innovative and effective solutions to the world’s toughest non-ferrous challenges.

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### **Blasch Metering Systems**

Blasch engineers and manufactures precision refractory components for the control and metering of metal flow. Specialty alloy and casting producers appreciate the value of process control and the impact that reduction of process variability has in maintaining product quality. 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 Thermocouple Protection Tubes**

Available in several thermal shock, corrosion and abrasion-resistant materials, Blasch engineers can assist in choosing a thermocouple protection tube to fulfill customer requirements. High thermal conductivity provide system engineers rapid temperature readings, allowing them superior process control. Limitless size and shape capability, tolerance control and repeatability provide consistent temperature readings.



### **Blasch Immersion Heater Tubes**

Blasch's ceramic immersion heater tubes are treated with a non-wetting agent designed as a barrier between molten materials and the internal heating element. Our immersion heater tubes are strong, thermally efficient and available in a range of sizes.



### **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 Bricks and Linings**

Whether your lining requires simple 9 inch brick or a very complex interlocking assembly, Blasch engineers can utilize one of the many available material options to configure a lining system that is easier to install, has a reduced part count and exhibits industry-leading durability.