

PRODUCTS FOR RED METAL INDUSTRIES



Blasch Stopper Rods & Pins – Metering Systems

Used in cast houses and other casting operations for flow control and metering, Blasch stopper rods and metering pins provide precise, repeatable performance operators can rely on. Available in Oxytron™, Nitron™, Fused Silica, and Alumina ceramics, they offer proven non-wetting properties for easier cleaning and longer service life. Blasch's advanced ceramic manufacturing process ensures tight tolerances and accurate rod and tip geometry for consistent flow and metering every time.



Blasch Thermocouple Protection Tubes

Thermocouple Protection Tubes (TCPTs) insulate and protect sensitive thermocouples from chemical attack, abrasion, impact damage, or thermal shock. Blasch Thermocouple Protection Tubes are designed as an immersion device or shield to protect a thermocouple while measuring the temperature of molten metals or gases. High thermal conductivity provides system engineers with rapid temperature readings which allow for superior process control. Available in thermal shock resistant and nonwetting Oxytron™ and Nitron™ materials.



Blasch Nozzles, Down Spouts, Pour Spouts, Casting Tips

Used in the cast house, rod mill, as well as other casting departments for flow control and casting, Blasch parts offer very precise and repeatable control giving operators assurance that each part will perform exceptionally. Nozzles, Down Spouts, Casting Tips and Pour Spouts are available in Blasch materials including our Oxytron™, Nitron™, Fused Silica, and Alumina ceramic with proven non-wetting characteristics for easy cleaning and use. The Blasch ceramic process allows for high tolerance nozzle geometry to provide an accurate fit between nozzle and rod for precise metering and flow.



Launderers, Tundishes, Etc

Using Blasch's proprietary casting technology, complex refractory components can be produced in virtually any geometry while maintaining tight tolerances and consistent material properties. Components such as burner blocks, tap hole assemblies, chin tiles, launderers, tundish sections, pour spouts, launder boxes, and chill plates are designed for the demanding conditions of molten metal handling and casting. The forming process creates smooth, near-net-shape surfaces in tundishes, snouts, and launder systems, reducing metal adhesion, penetration, and oxide buildup while improving alloy flow, lowering maintenance, and supporting more consistent casting performance.



Bricks and Linings

Whether the application requires standard 9-inch refractory brick or engineered interlocking assemblies, Blasch engineers develop lining systems optimized for efficient installation, fewer components, and extended service life. Each design is tailored to demanding thermal, mechanical, and chemical conditions using advanced ceramic materials. Through precision casting, Nitron™ components can be formed into complex near-net-shape geometries including roof tiles, chin tiles, door sills, hot face panels, and other custom refractory components designed to improve lining integrity and reliability.

Blasch manufactures high-performance ceramic solutions for the containment, control, and refinement of molten red metals, including copper, brass, and bronze, delivering reliable performance in the industry's most demanding environments.