



PRODUCTS FOR POWER GENERATION



Blasch SiClone™ Cyclone Separators, Scroll Inlet, Diplegs, and Dust Bowl Linings

Blasch high-performance, monolithic, drop-in replaceable ceramic liners are engineered for cyclone applications up to several feet in diameter and are designed for highly abrasive 1st, 2nd, or 3rd stage separators. With a variety of highly abrasion-resistant compositions available, we can engineer a tile lining for scroll inlets or 1 piece cone and sleeve sections out of refractory that exceeds 1.5cc loss (per ASTM C-704). Our engineers can assist both licensors and single refineries achieve financial performance objectives by optimizing separating efficiencies, maximizing cyclone life, reducing emissions, and lowering catalyst losses.



CeraLine™ Lined Elbows, Pipe, and Spool Linings

Available as a turnkey unit with steel pipe & flanges, Blasch ceramic lined elbows are engineered for unparalleled life. Blasch pre-cast tight tolerance shapes are used to line pipe with diameters ranging from one-half inch to several feet. Premature wear and interrupted flow are eliminated with CeraLine's engineered joints and smooth bore. This also serves to reduce pressure drop and flow restriction.



Tubular Air Preheater Inserts

Reliable wear-resistant inserts are designed for tubular air pre-heater tubes, both in the inlet and outlet ends. Engineered with thin walls, flanges and precise tolerances, these inserts serve to protect the weld integrity and tube surface while absorbing all of the abrasion from the ash. Blasch inserts are custom-designed, maximizing plant efficiencies and capital equipment life while reducing maintenance downtime. Available in several abrasion-resistant materials far superior to metallic inserts or coatings, Blasch inserts can seal up existing holes, allowing maintenance engineers to keep the plant on line.



Blasch Burner and CFB Nozzles

Burner system developers continue to improve temperature, efficiency, fuel source and consumption, and Blasch's shape capability, tolerance control and repeatability enables them to engineer very complex, high temperature, atmosphere-intensive burner systems. Available in several materials that thrive in oxidizing or reducing environments, our burner nozzles help improve heat cycles while reducing energy consumption.



Blasch Custom Shapes

Maintenance and process engineers control costs with refractory solutions throughout the process with Blasch custom shapes. Reliable, high-performance ceramic shapes are custom engineered to replace monolithic hexmesh structures or metallic fabrications. Superior dimensional control result in closely toleranced net shape parts like valves, sleeves, nozzles, elbows, impact pads, thermowell sleeves, injectors and other ancillary parts that minimize process variability and maintenance.

Blasch has extensive global experience in the power generation industry, particularly in coal and biomass fired plants, pioneering new high temperature abrasion-resistant technologies, such as ALTRON™ alumina bonded silicon carbide, designed to improve plant efficiency, reliability and environmental performance.

