

PRODUCTS FOR FLUID CATALYTIC CRACKING UNITS



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 exceed 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.



Blasch Scrubber Nozzles and Venturi Lining Sections

The Blasch scrubber nozzle/eductor is made out of highly abrasion-resistant 1 piece precast lining. Custom engineered to convey and control fluids and gases, the superior dimensional control afforded by the Blasch process results in closely toleranced orifice opening. This leads to reduced emissions, lower NOx and SOx. Coupled with our installed Venturi lining, time between outages are extended and costly metal repairs are reduced.



Blasch Precast ProLok™ Ferrules

The Blasch family of precast ferrule systems provide more effective protection and much greater design flexibility than traditional cast refractory systems or metallic sleeves. Structural and insulating functions are separated, and are addressed by the cast shape and the fiber backup, respectively. Made out of several highly abrasion-resistant silicon carbide formulations, our ProLok ferrules protect the boiler tube face and tubes from abrasive catalyst wear and carryover.



Blasch ALTRON™ Air Grid Nozzles

Specifically designed for the Petrochemical Industry and the harsh conditions within FCCU, Blasch's ceramic ALTRON FCC Air Grid Nozzles exhibit exceptional wear and corrosion resistance, resulting in less downtime and ultimately decreased catalytic loss. Highly abrasion-resistant, these nozzles far outlast traditional high alloy steel or even other ceramics to help you to achieve financial performance objectives by optimizing catalyst efficiencies, maximizing cat cracker life, and eliminating costly maintenance and replacement costs traditionally found in metallic components.



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 results in closely toleranced net shape parts like valves, sleeves, nozzles, elbows, impact pads, thermowell sleeves, injectors and other ancillary parts that minimizes process variability and maintenance.

Blasch has two decades of experience in distributor grid nozzle manufacturing. Our engineered shapes have redefined refinery refractory applications, improved processes, and lower costs.

