



PRODUCTS FOR PETROCHEMICAL REFINING



Blasch VectorWall™ Mixing System

OPTIMIZE YOUR PROCESS USING OUR ADVANCED MIXING SYSTEM

The VectorWall utilizes the same blocks as the proven checkerwall system and incorporates a series of add-on flow vectoring shapes. The vectoring shapes are designed to direct gas flow at the exit of the checkerwall into any of a series of flow patterns to include single, double, and multiple vortices, preferential flow directions, or converging or diverging flows. Computational fluid dynamics support is available. Process improvements on the order of 50% yield increases have been experienced with the addition of the Blasch VectorWall to some reaction furnaces.



Blasch StaBlox™ SMR Tunnel System

A MORE RELIABLE APPROACH TO REFORMER FLUE GAS TUNNELS

The StaBlox Tunnel System is a versatile, mechanically stable, patented system consisting of a series of stackable, interlocking blocks. This system allows for extremely fast, easy installation while offering a much higher level of reliability with customizable blocks and highly engineered, mortar-free expansion joints. The highly engineered design of the tunnel reduces the weight up to 60% while maintaining structural integrity and requires no specialized labor for construction.



Blasch Precast ProLok™ Ferrules

PRECISION ENGINEERED PRECAST FERRULES FOR WASTE HEAT BOILERS

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 Acid Gas Injection Sleeves, Nozzles, and Burner Components

Blasch's experience in the reaction furnace is not limited to ferrules and checkerwalls. With years of experience designing injection nozzles, pass thrus, and complex structural burner components, Blasch Precision Ceramics has a proven solution for any high temperature problem area.



Blasch Precast Pilot and Flare Tips

Precision cast, thermal shock-resistant, immune to the effects of corrosion and erosion; Blasch precast shapes outperform metallic components, often times at a lower price. Blasch engineers have years of experience redesigning metallic components to work to the strengths of ceramic materials.

Blasch has significant expertise in high temperature processes within the refinery including two decades of experience in sulfur recovery. Our patented systems have redefined refinery refractory applications, improved processes, and lower costs.

