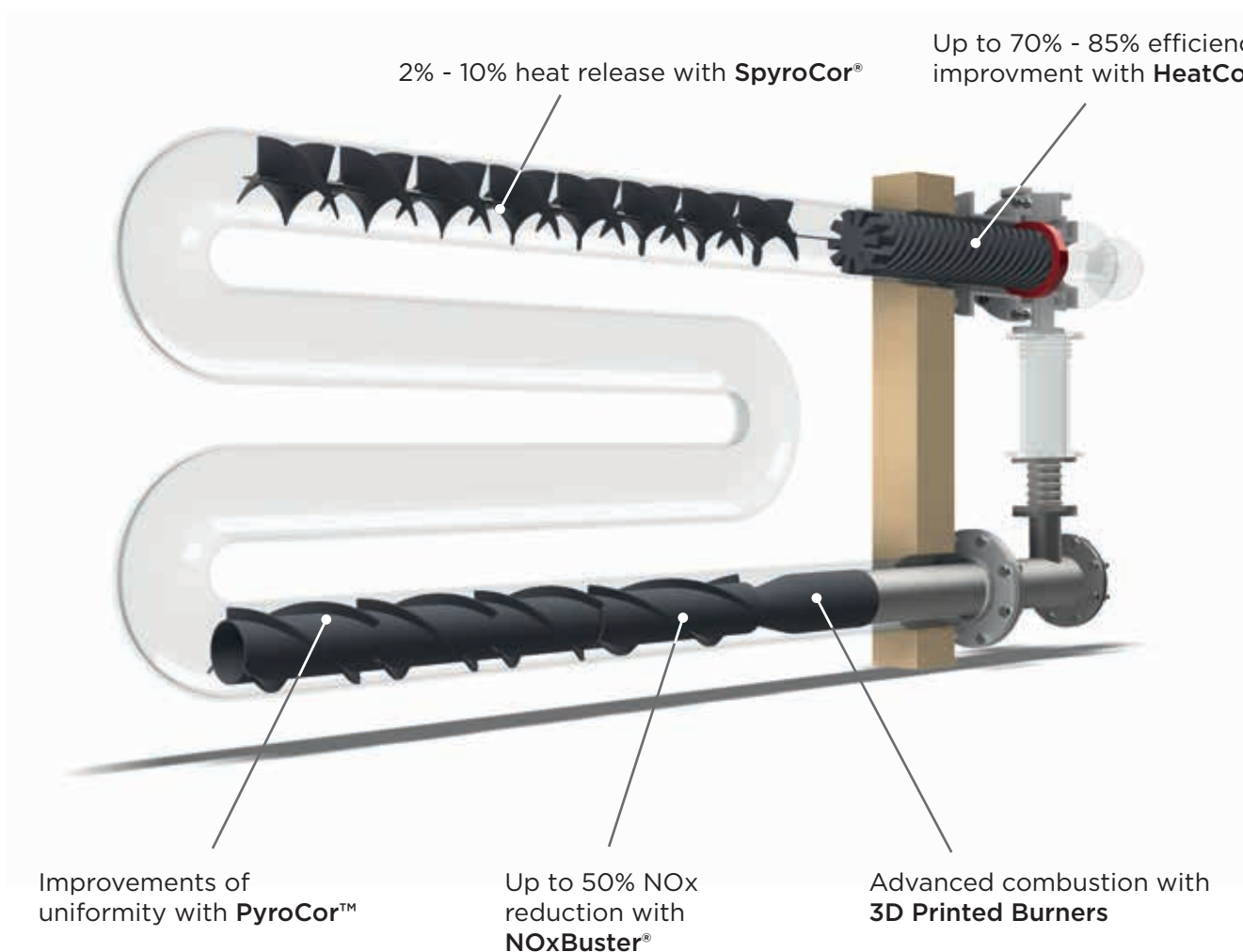


TOTAL BURNER SOLUTION FOR ALUMINUM ANNEALING



CARBON NEUTRALITY BY 2050



SINGLE ENDED RADIANT TUBE

U-TUBE

W-TUBE



PERFORMANCE CERAMICS & REFRACTORIES



The annealing furnace consumes a significant amount of energy and generates carbon and nitrogen oxide emissions. Saint-Gobain Performance Ceramics & Refractories offers a unique burner solution for Aluminum Annealing to improve the radiant tubes' energy usage, emissions and thermal performance.

up to
15%+
energy
savings



SPYROCOR® - RADIANT TUBE INSERT

The „twisted tape“ design of the SpyroCor® advanced radiant tube insert recovers heat lost in exhaust gases.

SpyroCor®

- Advanced silicon carbide microstructures provide high thermal conductivity and shock resistance
- Long service life
- High radiant output

HEATCOR™ - RECUPERATOR

A 3D-printed ceramic recuperator that pre-heats combustion air for high efficiency burner performance.

HeatCor™

- Thin-wall silicon carbide offers the highest rates of heat transfer and thermal performance
- Variable twist and channel cross-section provides optimized efficiency with the lowest pressure drop
- Working temperature up to 1,350°C

up to
80%+
efficiency
improvement



up to
50%+
reduction of NOx
emissions



NOXBUSTER® - RADIANT TUBE INSERT

NOxBuster® patented design suppresses NOx formation via internal exhaust gas recirculation within the radiant tube.

NOxBuster®

- Novel design combines recirculation and staged combustion for optimum
- NOx reduction using HeatCor™

Leverage Our Expertise.

Saint-Gobain Performance Ceramics & Refractories engineers and researchers collaborate with you, our customers, to solve operational challenges with customized ceramic solutions for aluminum annealing.



SCAN to connect

and discover more
about our aluminum solutions

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SAINT-GOBAIN