SYSTEEMS

SPRAY-COOLED™
STAYING COOL IN A HOT BUSINESS

17 Countries
89 Installations
Worldwide
YOUR BEST OPTION FOR KEEPING FURNACES SAFELY COOLED
Spray-Cooled™ furnace roofs exhibit excellent slag retention improving heat retention and efficiency of the furnace; this permits the furnace to perform at peak efficiency for longer periods. There is less than a 1% energy increase compared to refractory roofs. The Spray-Cooled™ sidewalls increase furnace volume by eliminating conventional internal tubular panels.

Perfected in the harshest steelmaking environments, the benefits and adaptability of Systems Spray-Cooled™ Equipment has been proven in melt shops, BOF shops and smelting operations around the world. Roofs, sidewalls, elbows, ducts, hoods, drop-out chambers and ladle furnace roofs are just the beginning.

“We will be changing some roofs that will be in excess of 10,000 heats and not a lot of maintenance on the Spray-Cooled™ equipment.

I had twenty three years experience at my old shop before I even dealt with Spray-Cooled™. I started my career in ’96 with Spray-Cooled™ and I won’t ever go back to tubular equipment.”

STAN SMITH
MELTSHOP MAINTENANCE MANAGER

Quick weld repairs from the cold side lowers maintenance costs and reduces downtime.

Cam-lock “quick disconnects” allow for rapid removal, inspection and reinstallation of individual spray bars.

The one-piece construction eliminates individual panel joints reducing flame leakage and air infiltration and exfiltration, which also keeps the outer surface cooler.

Quick weld repairs from the cold side lowers maintenance costs and reduces downtime.

Cam-lock “quick disconnects” allow for rapid removal, inspection and reinstallation of individual spray bars.

Quick weld repairs from the cold side lowers maintenance costs and reduces downtime.
Serving the global metals and minerals industries, Systems' patented Spray-Cooled™ Technology provides a safer, greener alternative to conventional pressurized water-cooled, exotic alloy, and refractory equipment for extreme heat load applications.

Using non-pressurized, non-evaporative water-cooling, Systems Spray-Cooled™ offers a complete line of electric arc furnace (EAF), ladle metallurgical furnace (LMF), basic oxygen furnace (BOF), submerged arc furnace, post combustion, and dust evacuation system components.