



SERVICING
THE WORLD of
**Cement & Mineral
Processing**

HotworkTM



World Leaders in Cement & Mineral Processing

Since 1965 Hotwork has provided refractory dryout and heatup expertise to a multitude of industries. With over 20,000 projects completed to date, we are the largest and most experienced dryout company in the world.

Our equipment and personnel are strategically placed around the globe allowing us to respond to customer's needs no matter the location. Our field personnel are backed by a management team with an average experience of over 25 years. But we are more than experience. Hotwork prides itself on being a solution-oriented company utilizing cutting edge technology to deliver the best possible service.

Refractory Drying & Preheating

The refractories that line the high temperature areas of the modern cement plant are designed for efficiency, durability and ease of installation. These materials may be very strong and abrasion resistant at operating temperature, but they can be very vulnerable in the green, un-fired state. In addition, overly aggressive heating can cause micro-cracking within the refractory, or in extreme cases, cause explosive spalling. All of these factors represent some form of risk. Whether it be damage during start-up, premature refractory failure or reduced production, it impacts a cement plant's bottom line.

Hotwork's unique high velocity burner system combines convective heating with precision control and innovative safety features. Our system creates optimal conditions for refractory dryout, helping maximize refractory properties, performance and longevity. Since the 1970s Hotwork has provided dryout services for tertiary air ducts, firing hoods, coolers, nose rings, bullnose, kilns, preheat towers, drop out chutes and more. Kiln burners are designed for making cement. Hotwork's system is designed for dryout. Trust your dryout to the right people with the right equipment.

Preheat Tower

Although the preheat tower can be heated using the kiln burner, the heat provided does not create the proper conditions required for refractory dryout. In many cases, refractory is damaged before feed is ever provided to the tower. Let us help. Hotwork will engineer a dryout plan which strategically places burners where they are needed in the preheat tower to deliver optimal results.

Cooler

Due to the cooler's position below the kiln burner, it can be extremely difficult to properly dry the refractory in this area. In most facilities, hot clinker is dumped directly onto green, un-fired refractory in the cooler. Due to the lack of strength in this state, the refractory is almost always damaged. Why spend so much money to repair the cooler refractory only to damage it on start-up? Let Hotwork heat your cooler, strengthen the refractory and minimize the potential for damage when production is started.

Mill Heating Services

When a cement plant is being brought back into production and before the kiln burner is started, a heat source is often needed for the various 'mills' throughout the plant. In many cases, heat for the raw mill, ball mill or coal mill is needed to help get the system up and running. Hotwork's combustion systems can be a source of heat for these areas. Our burners can be placed in a variety of locations to get the heat where it is needed most.

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