



Ceramic Services, Inc.

www.kilnman.com

215 245-4040

“Kilnman”

Dryer Update

Tiles By “R” Design installs a dryer solution from Ceramic Services, Inc.

Tiles By “R” Design A custom designer and manufacturer of ceramic tile recently installed a Ceramic Services, Inc. drying system at their Salt Lake City, Utah facility.

The Problem: Tile by “R” Design was experiencing a large scrap problem with their molded tile products. This company had worked hard to relieve the problem and was making no headway in fixing it.

The Solution: A Ceramic Services drying system designed to dry the tile on the molding trays by controlling temperature and relative humidity on the same time base. This drying system is designed for very even, high volume, and low turbulence air flow with the drying chamber under positive pressure. The system is designed to accept seasonal changes in the programming to account for hot humid days to cool dry days. The automatic humidity control includes a misting spray to be automatically energized when needed. This system is pre-assembled and pre-tested before delivery.

The Ceramic Services Drying System pictured below featuring:

- An insulated drying enclosure with space to hold four rolling carts.
- One circulating air blower complete with three phase 480 volt motor.
- One pre-wired control cabinet, which includes the motor starter for the fan and control for relative humidity, temperature, and static pressure.
- One 240V, three phase, 6 KW electric heater with solid state power control.
- Three motor controlled dampers, one each for exhaust, fresh air and static pressure.
- Sensors for temperature, relative humidity and static pressure, each wired into the control cabinet
- One water misting nozzle and shut off solenoid.
- One disconnect switch to isolate the power equipment from the 480 volt three phase supply.



The Result: Scrap due to cracking, warping, and blow out has been reduced to less than 5%. The drying time for Tiles By “R” Design products has also been greatly reduced due to the effective and efficient drying system installed by Ceramic Services, Inc.