



Ceramic Services, Inc.

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## Dryer Update

### Artistry in Mosaics-Ft. Pierce, FL. installs a dryer solution from Ceramic Services, Inc.

**Artistry in Mosaics:** A World Leader in manufacturing of superior quality ceramic mosaics has recently installed a Ceramic Services, Inc. drying system at their Fort Pierce, FL. facility.

**The Problem:** Artistry in Mosaics was experiencing a scrap problem due to the difficulty of drying thin hand cut pieces of very soft and flexible ceramic tile. If this product was not transferred, drying time was greatly extended in this attempt to solve the scrap problem.

**The Solution:** A Ceramic Services drying system designed to dry the tile on the molding sheets without warping or cracking by using large volumes of low velocity air with controlled temperature and humidity. 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 two doors.
- Two carts large enough to hold the molding trays for a days production of tile.
- One pre-wired control cabinet, which includes the motor starter for the fan and control for relative humidity, temperature, and static pressure.
- One 208V, three phase, 18 KW electric heater with solid state power controls.
- Two air control valves with respective control valve motors.
- Sensors for temperature, and relative humidity, wired into the control cabinet.
- One water misting nozzle and shut off solenoid.



**The Result:** Scrap due to cracking, warping, and blow out has been eliminated. The drying time for Artistry in Mosaics products has also been greatly reduced due to the effective and efficient drying system installed by Ceramic Services, Inc.