

# INTEK Intelligence

INSULATION DRYING

SN 94483

*PROJECT: Drying Ceramic Fiber Insulation*



## THE CHALLENGE:

Drying large volumes of ceramic fiber insulation.

A manufacturer of insulated shipping containers required a unique pass-through oven for drying glass microfiber insulation. Essentially 4 ovens in one, each oven chamber included sliding doors on each side of the oven. This allowed product to be loaded from one side and unloaded from the other side for a FIFO approach helping to keep production levels moving efficiently. Multiple heat zones provided

for even more flexibility and control. An integral oven rack was included to maintain proper spacing between each of the insulation sheets. Each of the four oven chambers were heated electrically with hot air convection heaters. Exhaust was provided to help evacuate any moisture present in the process.

PRICE RANGE: \$52,000 - \$75,000

Price varies greatly depending on type of controls and other selected options.

SYSTEM DIMENSIONS:

62" W x 223" L x 98" H

POWER REQUIREMENT:

60kW / 480V~3PH / 76A / 60Hz

HEAT SOURCE:

Electric Forced-Air Convection

RECIRCULATING BLOWER:

5.5 HP, 4000 CFM Blower

EXHAUST: 100% recovery

PROCESS TEMP: 600°F

PROCESS TIME: Varies

RESULTS: Improved product quality by reducing moisture levels on a critical product with faster drying times.



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