

INTEK Intelligence

UHMW PLASTICS

8/20/2008

SN 85079

PROJECT: Preheat UHMW for Cutting



THE CHALLENGE: Heat UHMW Sheets before cutting.

A major plastics extruder needed to pre-condition UHMW sheets prior to cutting. The semi-automatic process involved a powered cart for loading and unloading of the multi-tiered ovens. Overall 3 multi deck ovens were purchased. Each oven includes 3 separate oven chambers for

independent operation. Each oven deck is independently controlled by a PLC. A hinged door was included for added uniformity. Roller conveyors were integrated into each oven chamber to assure uniform product placement inside each oven chamber.

PRICE RANGE: \$80,000 - \$120,000
Price varies greatly depending on selected options.

SYSTEM DIMENSIONS-Internal:
60" W x 144" L x 20" H (each deck)

SYSTEM DIMENSIONS-External:
68" W x 148" L x 92" H (3 decks)

POWER REQUIREMENT:
480V, 22A

HEAT SOURCE: 96 KW

RECIRCULATING BLOWER: N/A

EXHAUST: N/A

PROCESS TEMP: 220°F

RESULTS: Improved product quality, allowed each sheet of UHMW to be heated by themselves.



290 Independence Dr.
Union, MO 63084 USA
636-584-8500

www.intekcorp.com