

# INTEK Intelligence

Injection Mold Process

10/15/2015

## *PROJECT: Drawer ovens for injection molding process*



### *THE CHALLENGE:*

Your existing drawer ovens are not holding up to the daily abuse of the heavy industrial environment. What are your options?

Intek was contacted by a Tier 1 supplier of residential and industrial electrical components to help them with an oven concern in the injection molding department. The concern was a short lifespan of their existing pre heat drawer oven units. The ovens were yielding less than a year of usable life,

struggled to heat the parts to process temperatures, and could not process all of the customer's parts. Intek was challenged with designing multiple ovens to yield long life, evenly heat parts to process temperature, and accommodate the complete product line.

PRICE RANGE: \$15,000 - \$30,000  
Price varies greatly depending on selected options.

SYSTEM DIMENSIONS:  
44" W x 37" D x 63" H

POWER REQUIREMENT: 8.1 Kw  
480V 3Ph 60Hz 10A

HEAT SOURCE: (6) 1.3 KW  
Electric Duct Heaters

RECIRCULATING BLOWER:  
300 CFM Blower

EXHAUST: Convective

PROCESS TEMP: 450°F

PROCESS TIME: Varying

RESULTS: Increased capacity due to being able to accommodate all parts sizes, even heating of parts, robust design yielding a substantial increase in life expectancy and happier operators due to the ease of use as compared with the old units.



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

[www.intekcorp.com](http://www.intekcorp.com)