

Removable Hopper Cover

The Challenge:

A leading Chicago based manufacturer of PET performance molding equipment faced a significant challenge related to regulating process temperatures. As heated plastic pellets were being transferred into the hopper unit they were cooling down to an unacceptable temperature. The cooling effect leads to variations in the molding process creating inconsistencies in the consumer products. The objective was to keep the temperature of the plastic pellets as close to the starting point as possible and to minimize the temperature swing over each load cycle.



The Worbo Solution:

The Worbo solution was to utilize our exclusive three (3) layer protection system to create a custom fit removable insulation jacket. The jacket fit perfectly around the hopper unit and allowed for the front sight glass to remain exposed to enable continuous monitoring. The result was that the customer was able to accurately maintain and control the process temperatures leading to improved consistency and enhanced consumer products. The successes of the initial cover lead to its implementation as a standard component for all PET performance molding machines for the company.

