



VORTEX QUANTUM SERIES ORIFICE GATE HANDLING PLASTIC PELLETS

Customer: Packaging Company

Material: Plastic Pellets

Application: Produce plastic films, bags and sheeting

Challenge: Replace an old blending system using reliable components

Valve: Vortex Quantum Series Orifice Gates
Model GRA04-F-S4-MG



Results:

As a result of a buy-out, this packaging company inherited an older facility that was in need of modernization. During the manufacturing process at the older facility, different grades of plastic pellets are pneumatically conveyed from multiple silos into an interior blending station. Depending on the products to be produced, a specific “blended pellet recipe” is sent to an extruder where the raw plastic pellets are melted, formed, wound on a roll, and stored for shipment.



A problem existed in the fact that the lines feeding the blending station contained older slide gates that were made by a local fab shop. As the need for parts arose, the part had to be individually measured, cut, and then modified due to the fact that there were no true standard pieces. It reached the point that time and labor costs to measure and fabricate needed parts were making part replacements a bit expensive.

When it came time to replace and expand the blending system, Vortex was chosen. Vortex was well known for their quality and in providing the correct valves, properly modified for the application. In this case, given the previous experience with ordering parts, the company was impressed to know that any part that may be needed for valve maintenance is either laser cut or CNC routed at the Vortex factory. Every part is a direct match, whether it is ordered now or fifteen years later.

The reliability and service of the Vortex valves have added to company efficiency and overall profitability.