

Shamrock Systems Upgrades Production Line and Increases Production

About

Equipment Vendor:
Coperion K-Tron and KWS
Mfg

Industry: Plastics

Product:
Engineered compound
plastics

Customer Challenge(s)

The customer wanted to upgrade an existing production line with new pneumatic equipment, loss in weight feeders, and screw conveyors to increase production and become explosion-proof compliant.

Vendor Solution

Working with engineers from both Coperion K-Tron and KWS Mfg, Shamrock Systems was able to supply new vacuum receivers, refill hoppers, loss in weight feeders, diverter valves, and screw conveyors to accurately meter products into the extrusion line while being combustible dust compliant. Changing the holding capacities in some of the equipment enabled the customer to be beneath the NFPA threshold when storing combustible materials. Rotary airlocks were also used on the discharge of vacuum receivers to isolate the vessel should an incident occur. The changes implemented have improved the production line's performance while also enabling it to meet new standards related to explosion prevention with the material handling equipment.

