

Packaging Line Conveyors

Problem: A customer required an upgrade to their packaged snack food conveyance system. The existing system involved stacking packages of snack food onto a pallet in the packaging area. The pallets were then moved, by hand, through the building, to the loading area. The system was largely manual and created a lot of traffic through narrow hallways.

In addition, the customer stored their packaging material in a warehouse, far from the packaging area. A solution was needed to store material closer to the area in which it is used.

Solution: Project Technologies & Services (PTS) provided the customer with assistance by working with the equipment manufacturer to design a new conveyance system. The system would move the snack food packages directly from the packaging equipment to the loading area. The packages would be loaded onto pallets in the loading area.

PTS engineers made modifications to the design provided from the equipment supplier, including layout and elevation changes, allowing the employees to navigate under the conveyor.





Conveyor Modifications to Allow Employee Navigation

The new design greatly reduced the need for manual labor. The new design helped improve employee safety and to reduce product loss often occurring when packages fell from pallets while moving through inclined areas.

PTS designed a new mezzanine system to store material closer to the area in which it is used. This was built onto the existing mezzanine system. The new mezzanine eliminated the need to transfer material from the warehouse to the packaging area, reducing the amount of labor required in the plant.

PTS was onsite to manage the installation of both the conveyor and the mezzanine. PTS ensured the installation was performed safely, efficiently, and in a timely manner and PTS remained onsite for startup to guarantee a successful transition to the new conveyance system.