



PERFORMANCE FEEDERS

CUSTOM CONVEYOR APPLICATION

This pair of custom conveyor systems includes custom airlock chambers for transferring product into and out of a cleanroom.

This system includes:

- Custom set of belt conveyors designed to transfer packages between a warehouse and a cleanroom for a packaging operation.
- Custom airlock chamber with air filtration that prevents warehouse air from entering the cleanroom.
- Integrated sensors to completely automate the flow of parts through the conveyor system.
- Beacon lights that continuously alert operators to the operating status of the system.
- Integrated controls package including motor controllers and PLC.



Full Specification, Photos and Video:
<http://tinyurl.com/AppFlyer-11141>

FEATURES

- **Fully automatic operation:** While designed to be loaded and unloaded by operators, all the operator has to do is push a button at the conveyor entrance to start the flow of product through the system. Sensors wired to the PLC automate the flow of product through the airlock chamber onto the discharge conveyor.
- **Maintains cleanroom integrity:** The airlock chamber includes an air knife that minimizes outside air entering the enclosure, automated entry and exit doors controlled by the PLC that can only be opened one at a time, and an air pressurization system that filters the air inside the enclosure before opening the exit door.
- **Package compression mechanism:** The conveyor system that transfers product out of the cleanroom has a compression mechanism, which is operated by a foot pedal, that allows the operator to compress the package prior to removing it for storage.

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