



Photo courtesy of Coastal Manufacturing Inc.

Product

Stainless Steel 700 Series Speed Reducer

Application

90° Transfer Conveyor

Highlights

- 316 Stainless Steel housing, motor flange and carrier to withstand tough washdown environments
- Smooth operation with reduced backlash
- Revolutionary smooth exterior prevents foreign matter adherence and fluid accumulation
- Nameplate information laser marked directly onto main housing
- NSF International (formerly National Sanitation Foundation) Certified
- Double lipped shaft seals

A robust speed reducer was needed for a 90° transfer conveyor on a vegetable packaging line. The floor-mounted conveyor moves food service sized bags of lettuce products from a vertical polybag form/fill/seal machine. The sanitation requirements for this application call for routine caustic washdowns.

A Boston Gear Stainless Steel 700 Series speed reducer was selected to provide the corrosion resistance needed to stand up to this challenging washdown environment.

Stainless Steel 700 Series speed reducers provide smooth operation due to ground worms and a shimmed assembly process that reduces backlash. Units feature a unique rounded housing design, double-lipped shaft seals and covered hardware to prevent foreign matter adherence and fluid accumulation on or under the units. All models incorporate the trusted Boston Gear 700 Series worm gearing and have been optimized to withstand the harshest conditions.

The internal worm is specially-ground for enhanced efficiency and lower heat generation leading to prolonged product life. The housings, motor flange, and carrier are crafted from 316SS to endure tough, caustic washdowns while preventing microbial contamination and bacterial growth.

US (Application Assistance)
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