

**CASE STUDY**

# Boston Gear Stainless Steel 700 Series Speed Reducers Utilized on Lettuce Product Mixing System



As seen in  
**Food Manufacturing**  
March, 2013



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- TB Wood's
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- Marland Clutch
- Industrial Clutch
- Bauer Gear Motor
- Nuttall Gear
- Warner Linear
- Delroyd Worm Gear
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- Inertia Dynamics
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# Boston Gear Stainless Steel 700 Series Speed Reducers Utilized on Lettuce Product Mixing System



Coastal Manufacturing, a major food processing equipment manufacturer in California, designed and built a 26' long custom dynamic mixing system for a leading packaged lettuce producer. The unit consists of five sections, each section features a 4' wide by 4' long belt conveyor which transfers the product to a 4' wide cleated inclined conveyor. Boston Gear Stainless Steel 700 Series speed reducers were selected and installed in the system due to their superior corrosion resistance in this caustic washdown environment.

The Boston Gear Stainless Steel 700 Series speed reducers were selected due to their superior corrosion resistance in this caustic washdown environment. Units feature durable Boston worm gearing, resistance to impact loading and a high reduction ratio in a compact enclosure envelope. A rounded housing design and covered hardware 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 housings, motor flange, and carrier are crafted from 316SS to endure high-pressure washdowns while preventing microbial contamination and bacterial growth.



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