

The Future of Sanitary Dumper Design

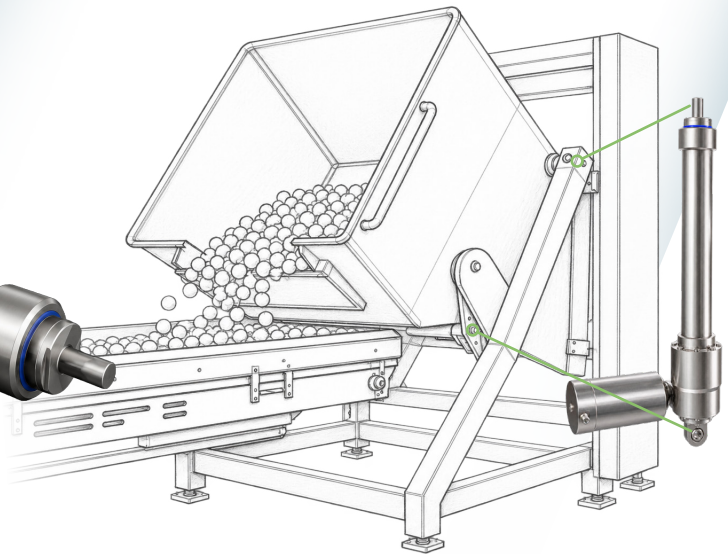
Why food processors are asking for electric dumper solutions



- Eliminate hydraulic oil near food handling areas
- Improve sanitary design
- Simplify washdown procedures
- Reduce maintenance requirements
- Labor savings
- Designed specifically for demanding dumper applications

BJ-Gear Heavy Load Electrical Actuator Developed to meet the load, duty cycle, and environmental requirements of:

- Combo Dumpers
- Vat Dumpers
- Material Handling Systems
- Pivot Dumpers
- Tote Dumpers



Key benefits

- Eliminates risk of oil contamination (FSMA-ready design)
- Fully stainless – built for aggressive washdown
- No hydraulic system required – reduces complexity and maintenance
- Efficient ball screw design – reliable and precise motion
- Integrated encoder – synchronized operation without external sensors
- Plug-and-play installation – no hoses, fittings, or power packs

Technical highlights

- **Nominal Load:** 12,500 lbf (56 kN)
- **Peak Load:** 25,800 lbf (115 kN)
- **Speed:** Up to 80 in/min
- **Material:** AISI 316 stainless steel
- **Ingress Protection:** IP69K
- **Stroke:** Up to 40 inches standard

Engineered for Sanitary Food Dumper Applications

- Ball screw life: 85,000+ cycles
- Typical cycle time (20" to 40" stroke): 60 seconds
- Supports operating profiles up to 10 cycles per hour
- Designed for continuous multi-shift food processing environments

Low Maintenance Design

- Lifetime-lubricated gearbox and bearings
- Simple service requirements
- Reduced maintenance compared to hydraulic alternatives

Let's Discuss Your Next Dumper Project

- Application Evaluation
- Electric Dumper Conversion
- Sanitary Design Opportunities
- Total Cost of Ownership Analysis
- Custom Actuator Configuration



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