



Performance Feeders

Count and Batch Packaging Application



This system shown was developed to feed various sized bearing cages that were to be counted and transported to the customer's shipping container. Due to the various sizes of components and the needs of the end user, the system had to be flexible enough to:

1. Feed the various sizes of product consistently.
2. Be flexible enough that an operator could change the count parameters easily for the various batch requirements.

Performance Feeders designed a feeding solution, utilizing a custom vibratory feed system with a Polyarmor coating that protected the parts and feed system from residual damage, and included sorting features to reject product if the wrong product was introduced to the system. A variable speed, adjustable discharge conveyor carried the product from the feeder to the counting area where a custom controls package counted and released the specified amount of product.

From Bulk To Box, Feeding Solutions That Count

Specifications

- **Feed Rate Per Track:** 90+ Parts per minute
- **Input Voltage:** 120V / 60Hz.
- **Vibratory Bowl:** 24" Bowl diameter
 - Purge gate for quick part changeover
 - Reject chute for bad parts
 - Black polyarmor coating
- **Belted Conveyor Track:** 40mm wide, 48" long
- **Part Counter:** Custom counting controls
- **Electrical Controls:** Performance Feeders standard controls

Features

- **Polyarmor Coating:** Protects parts and feed system, reduces noise
- **Custom Counting Controls:** Operator sets a determined number of parts for packaging, pushes the start button to start cycle; system stops automatically when batch complete
- **Feeds Multiple Parts**
- **Minimal Tooling Changeover**
- **Reject Bin:** Receives mismatched or out-of-tolerance parts



<https://tinyurl.com/count-batch>



Count and Batch Counting Sensor

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