

Rollbag™ R1275 Vision



Automatic Bulk Counting & Bagging System



Rollbag Systems

a PAC Machinery company

Automatic Counting and Bagging

The Rollbag R1275 Vision is an extremely accurate automatic bulk counting and bagging system for packaging small parts. The compact system combines an industry-proven automatic bagger with an advanced vision system. When used together the system can count and bag large quantities of small parts quickly.

The super accurate vision system relies on advanced mathematical algorithms to count bulk parts ranging in size from 0.25" to 1" at up to 99.9% accuracy. The versatile high speed Rollbag R1275 bagger can fill and seal bags significantly faster than manual packaging, delivering exceptional efficiency and value. With the use of pre-opened bags on a roll, fast packaging speeds may be achieved and bag size changeover can be accomplished quickly.

The Rollbag R1275 is the fastest auto bagger in its class, and is designed for multi-shift production. The exceptional performance of this auto bagger is accomplished through smart design, a powerful PLC, and a unique stepper motor drive.



Rollbag R1275 Bagger

Operating Benefits:

- Touchscreen interface with clear readable prompts and alarms
- 3D imaging for 99.9% accuracy on parts that are 0.25" – 1" in size
- Double track feeding for product separation prior to counting
- Articulating funnel ensures product drops directly in the bag
- Bag support stabilizes bag during loading and removes it from packaging area at end of cycle
- Bag sensor ensures every bag is open before filling the product
- Print directly on each bag via thermal transfer printer (optional)
- Product overfill reject system (optional)

Maintenance Benefits

- Off the shelf modular components for easy replacement
- Remote network access for improved troubleshooting
- Self-diagnostics ensure quick problem solving
- Reliable components designed for multi-shift production

Set-Up Benefits

- Easy changeover for different sizes - no special tools required
- PLC with multiple job storage
- Batch counters, packaging statistics & process parameters
- Uses Rollbag pre-opened bags for fast bag size changeover
- Integrated frame with casters for added mobility

Technical Specifications – Vision Counter

Object Size:	0.25" – 1"
Counting Rate:	Up to 25,000 objects per minute
Accuracy:	Up to 99.9%

Technical Specifications – R1275 Automatic Bagger

Bag Width:	2" – 10"
Bag Length:	3" – 20"
Bag Gauge:	1 – 5 mil
Seal Width:	1/8"
Air Required:	80psi @ 5CFM
Electrical:	120V, 10A
Warranty:	1 year limited warranty, may be extended to 5 years when used exclusively with Rollbag brand materials

Options

- Product overfill reject system
- Air Expeller
- Bag Spreader (Seal Flattener Fingers)
- Spare Parts Kit
- NiceLabel Pro Label Software

Additional options and customization is offered to meet your unique packaging applications. Please contact us for detailed information.



Load

The track feeder design facilitates counting a wide variety of parts without changing the feeder. Products do not need to be separated over separate lines, nor do they need to be fed one-by-one, or spaced at specific intervals, as is often the case with conventional counting system. The system is an excellent choice for seeds, pharmaceutical and pelleted chemical products, electronics and small mechanical parts.



Count

Objects are conveyed onto the counting unit on a vibratory track - this is essentially the same feeding system that is used in traditional weigh fillers. By using this method, the vision system can count nearly as fast as weighing, but with far greater accuracy. The vision system reduces the 2%-5% count deviation that is typical in scale-based measurement systems to nearly 0%.



Dispense, bag and seal

Once counted, the objects drop into a pre-opened poly bag that is fed from a continuous roll. Bags are then heat sealed, separated from the roll and gently dropped into a collection container. Easy touchscreen programming on the R1275 bagger provides a flexible solution to ever-changing production requirements.



R1275 Vision is an excellent solution for quicky and accurately counting and bagging small parts.



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