

# PACK SAVER

## Bulk Packaging Systems by BSI

*At BSI our focal point is to provide loss control weighing solutions that fit in to new and existing production lines.*

### Model PS-30

- Ergonomically Correct
- Touch Screen Graphical Interface and Control
- Heavy Stainless Steel Tube Support Structure
- High Precision Weigh Cells
- 2 speed product feeders

### SPECIFICATIONS:

- Complete support structure in powder coat mild steel or food grade stainless steel.
- Rates up to 30 packages per minute based on container size and desired accuracy.
- Weighing Capacity from 1lb to 500 lbs .
- Volume Capacity .1 cubic feet to 5 cubic feet.
- Targets based on weight or piece count.

Pack Saver is a completely integrated net weight filling system for dry or frozen materials. Pack Saver can be used for a variety of manufactured goods, from frozen dough products to spices. The system is designed to receive manufactured goods in bulk quantities and accommodate this continuous flow of material into its charge hopper. The charge hopper keeps the bulk and dribble feeders full. These feeders cycle on after the weigh hopper discharges. While the next container is indexed to the fill position, the weigh hopper is refilled.



A number of material handling options are available for flowing or abrasive products. When an accurate piece count is required special feeders are optionally incorporated to meet plus or minus zero piece tolerances. Pack Saver has a standard RS-232 output that sends the weight or piece count along with a consecutive item number. This information can be transmitted to a printer or computer. With the Ethernet option our BSI Check Manager software allows you to view SPC charts that give a graphical representation of your process control performance. The software allows you to establish upper and lower control limits corresponding to the desired piece count or target weight. Multiple Pack Saver systems may report to a single computer. Different product parameters may also be downloaded to the Pack Saver systems eliminating operator setup.

**BSI** Bakery Systems, Inc.

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#### Optional Hardware:

- Stainless steel holding hoppers
- Up and down stream conveyors
- Desktop PC with Check Manager software.
- PLC based Controller with discrete I/O, and Communication modules
- RS-232 or Optional Ethernet output for packaging line SPC data collection.
- Optional Case staging conveyors
- Portability Package

The Pack Saver is designed to eliminate the labor required for manual packaging of bulk products. Increasing production speed requirements has been proven to create a higher percentage of non-conforming packages. Many times manual packaging is also the root cause of employee ergonomic issues. The Pack Saver weigh system will increase production rates while maintaining the highest degree of package weight or count accuracy. Even hard to package items like frozen bread sticks can be accommodated.

Pack Saver will also generate an audit trail of each package's weight along with the time and date it was produced. The Check Manager software provides useful production gauging tools such as plot graphs and histograms. The software also is capable of writing the package weight information to text files stored on the computers hard drive. The files can be created by product name or code, Time and Date, or Lot number.



**PS-10 Semi-automatic bulk packaging system for a cinnamon sugar topping mix with the portability option**

**BSI** Bakery  
Systems,  
Inc.