

PSA Timing Gate Systems

PSA's Timing Gate System

is an affordable, labor-saving solution for product accumulating and machine loading challenges.

3 Standard Systems Available:

- Air cylinder drive
 - speeds up to 100 ppm*
- Clutch/brake drive
 - speeds up to 150 ppm*
- Servo Drive
 - speeds up to 150 ppm*
 - single count
 - multiple counts can achieve higher speeds*

**All speeds product dependent*

Standard Features

- Tubular steel frame
- Product speed-up and launching conveyor
- Easy-access design
- Leveling feet
- Easy size adjustment (servo drive system)

Optional Features

- Custom parent machine mounts and interface
- Variable speed control
- Vertical screw height adjustment
- Casters for mobility
- Allen-Bradley Micrologix™ Controller
- Stainless steel construction



PSA Timing Gate Systems easily integrate with other machines.



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PACKAGING SYSTEMS AUTOMATION, INC.
Packaging Equipment and System Specialists

PSA Timing Gate Systems

Theory of Operation

PSA's Timing Gate Accumulator has four significant functions:

- First, it counts and accumulates your product in single and multiple counts
- Second, it acts as a buffer zone for product
- Third, it achieves automated product loading
- Fourth, it will re-time single random products

PSA's Timing Gate is effective with:

- Hot cocoa mix
- Instant oatmeal
- Microwave popcorn
- Pouch cereals of all kinds
- Coffee
- Card stock
- Blister packages
- Virtually any product which can be conveyed*

**Ask us about testing your product.*

Expanded size ranges available to meet your requirements

PSA has the experience that counts in automated pouch handling, collating, cartoning and tray loading. Contact the professionals at PSA and make us "Your Partner in Automated Packaging."TM



First Stage

Product is counted and accumulated from conveyor.

Second Stage

Product buffer zone — moves accumulated count from first stage to second; if third stage is empty, count moves directly to the third stage. If third stage is awaiting a load opportunity, second stage acts as a buffer, allowing the first to continue to accumulate.

Third Stage

Product timing zone — accumulated count moves from second stage into third. The third stage then awaits opportunity to drop the product into the next available load position.



Vertical Bagger



H.F.F.S. Packages



Horizontal Wrapped Product



H.F.F.S. Overwrapped



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