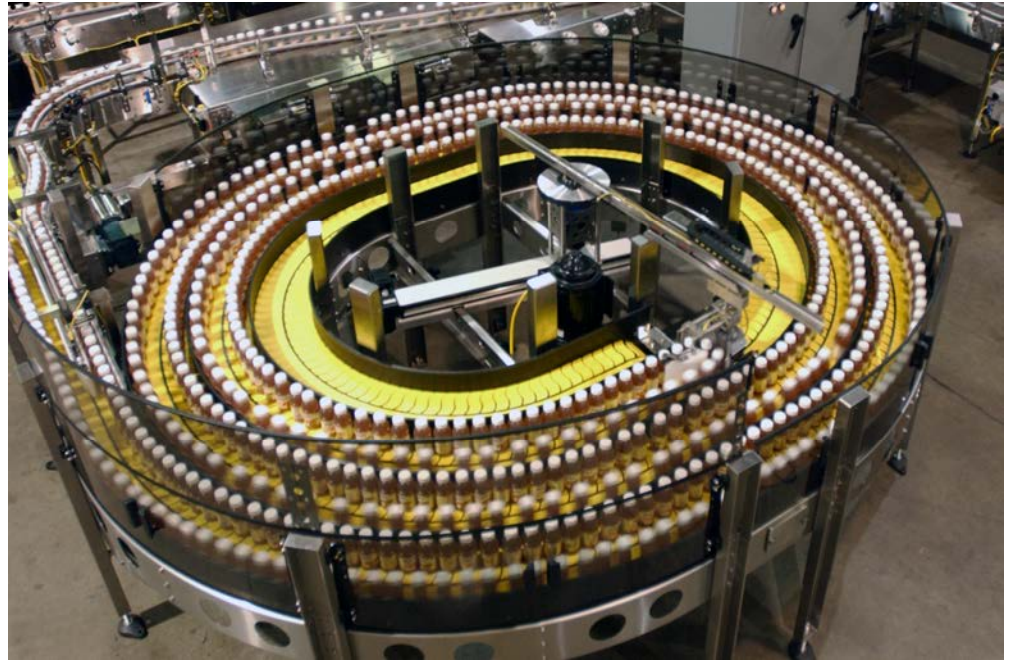




**ARROWHEAD**  
CONVEYOR CORPORATION

# Nautilus™ Dynamic Accumulator

## Nautilus™ Dynamic Accumulator



Arrowhead Conveyor introduces **Nautilus™** - a space-efficient Dynamic Accumulator that provides true Inline First In - First Out Accumulation. The patent pending Nautilus™ design is compact, simple and effective allowing companies to maximize their production efficiency without sacrifices.

**Nautilus™ Provides Dynamic Accumulation** - The Nautilus™ System responds to the changing conditions of a production line. When downstream stoppages occur Nautilus™ automatically reacts to ensure maximum productivity. When downstream stoppages are corrected Nautilus™ can discharge accumulated products quickly, allowing a full recovery for any future accumulation events.

**Nautilus™ Provides True First In-First Out Operation** - When maintaining sequential production is critical Nautilus™ is the solution. Whether a product has a limited exposure time or if a product requires tracking for serialized operations or quality concerns Nautilus™ provides a reliable method for true FIFO accumulation.

**Nautilus™ Requires Minimal Floor Space** - The Nautilus™ design is compact, efficient and flexible. It can be easily incorporated into new production lines or retrofit on existing lines. The patented design has no voids in the accumulation area. This allows companies to maximize accumulation in a compact production footprint.

**Nautilus™ Maintains Product Orientation** - Products are kept in a single file and line pressure is controlled. There is no skewing or twisting of containers - even non-round packages. This ensures that products are presented to labelers, decorators, coders, packers and inspection systems properly - minimizing scrap or re-work. All accumulation occurs on the same plane - eliminating product slippage on inclines or declines.

**Nautilus™ Is Flexible** - The Nautilus™ System is available in several standard configurations to provide varying accumulation lengths. The modular design of Nautilus™ allows Arrowhead to create custom configurations to accommodate unusual production requirements or space constraints. Systems are available in both painted, mild steel or stainless steel - even for use in washdown environments

**Nautilus™ Lowers Operating Costs** - Not only does the Nautilus™ Accumulation System reduce product loss, it also reduces production downtime. Dynamic accumulation results in fewer line stoppages.



# Nautilus™

## Dynamic Accumulator

### Features and Benefits

**Versatility**—Nautilus™ can handle both round and non-round containers. Dynamic operation responds to changing production conditions both upstream and downstream of the accumulator.

**Ease of Maintenance**—Fewer moving components reduces maintenance costs. Conveyor chain can be replaced quickly and easily. The chain can also be lifted from the track for ease of cleaning. Nautilus™ accumulates product on a single plane. All mechanical components are available at floor level, eliminating the need for ladders or personnel lifts during maintenance.

**Modular Design**— The Nautilus™ design incorporates integrated modules that eliminate inclines and declines. This can result in smoother product flow, fewer disruptions to production and gentler product handling.

**Rugged Construction**—Nautilus™ is manufactured for use in the most demanding production environments. Each component is quality checked prior to shipment. Modules are fully assembled and tested to ensure rapid installation and faster line start-up.

## Specifications

	Standard Specifications	Available Options
<b>Frame Material</b>	Stainless Steel with #4 polish	Mild Steel with Steel-it grey color match paint
<b>Standard Models</b>	Model 1012 - 126" x 154" Model 1016 - 126" x 198" Model 1020 - 126" x 248" Model 1025 - 126" x 306"	Custom Configurations Available
<b>Accumulation Lengths</b>	Model 1012 - 175 Linear Feet Model 1016 - 235 Linear Feet Model 1020 - 300 Linear Feet Model 1025 - 375 Linear Feet	Custom Accumulation Lengths Available
<b>Frame Depth</b>	8"	N/A
<b>Bearings</b>	2-Hole, Flange Mounted, Cast Housing	Polymer Housing, Customer-Specified Manufacturer
<b>Guide Rails</b>	Anodized Aluminum with UHMW Top Cap	N/A
<b>Chain Drive</b>	Vector Drive Motor	N/A
<b>Product Transfer Drive</b>	Multi-Axis Servo	N/A
<b>Supports</b>	Formed Stainless Steel Channel with Adjustable Feet for Leveling	Formed Mild Steel Channel with Adjustable Feet for Leveling, Painted to Match Frame
<b>Guarding</b>	Polycarbonate Interlocked Access Doors and Perimeter Guarding	Metal Screen Perimeter Guarding, Light Curtains
<b>Conveying Surface</b>	Rexnord 2-Piece #80 Roller Chain Base with Inboard Thrust Bearing and Snap-On Top Plate	SS Roller Chain Base
<b>Chain Track</b>	Machined Nylatron	Static Dissipating Polymers, Anti-Microbial Polymers
<b>Other Options</b>		Washdown Construction, Advanced HMI, Controls Integrated with Conveyor Systems
<b>Contact your Arrowhead Representative for Special Configurations and Custom Options</b>		