

## Simple. Pressureless. Accumulation. Buffering. Line Control.

High speed packaging lines require intelligent conveyance in order to achieve maximum performance. The Hartness Model 7100 DYNAC is a simply innovative solution that is designed to improve the throughput and efficiency of high speed packaging lines. The Model 7100 Mass Flow DYNAC provides sequential first in first out accumulation, pressure less product handling, as well as unique line balancing characteristics for containers. DYNAC has the ability to automatically expand its usable length based on line conditions. Frequent slowdowns and “micro-stops” that are inherent, even in the best designed lines, can dramatically reduce throughput. DYNAC virtually eliminates the effect of these occurrences, raising productivity by providing a constant and optimal product flow from machine to machine.

The DYNAC 7100 is a floor level system and offers a smart alternative to traditional bi-directional tables. Unlike some systems that simply provide accumulation, DYNAC’s space-saving configuration enables

the implementation of Hartness’ DYNAC-centric line concept. DYNAC-centric line design eliminates complicated line controls, and allow equipment centers to be positioned close together in a smaller footprint. The DYNAC between the two centers isolates these from each other so each runs at its optimum efficiency.

DYNAC-centric lines also require fewer operators and less space, while consuming fewer utilities than traditional packaging lines. Because DYNAC virtually eliminates container pressure, DYNAC-centric lines operate with minimal noise, even when running glass.

The DYNAC 7100 is exceptionally versatile handling a variety of container formats including plastic, glass, and aluminum. Lightweighted and reverse-tapered containers which are sensitive to line pressure are easily conveyed through the DYNAC.



The DYNAC 7100 decreases the size and complexity of packaging lines while improving throughput and efficiency.

### Benefits

- / Pressureless accumulation for even the highest speed lines
- / Increased line efficiency
  - *Balances container flow between machine centers*
  - *Reduces line pressure (eliminates micro-stops)*
- / Sequential first-in/first-out accumulation
- / Improved product quality
  - *Reduced breakage and label damage*
  - *Eliminates pressure*
- / Flexible operation
  - *Wide product range*
  - *Wide speed range*
  - *No changeover*
- / Reduced labor needs
  - *Extremely low maintenance*
  - *Allows close-coupling of line components for shared operators*
- / Optional DYNAC configurations
  - *Inline Flow Through design*
  - *Integrated Single File outfeed*

ITEM	DESCRIPTION		
chain width	21 in	30 in	40 in
accumulation (1 mid section)*	18 ft <sup>2</sup> (1.6 m <sup>2</sup> )	29 ft <sup>2</sup> (2.7 m <sup>2</sup> )	41 ft <sup>2</sup> (3.8 m <sup>2</sup> )
accumulation (5 mid sections)*	127 ft <sup>2</sup> (11.8 m <sup>2</sup> )	196 ft <sup>2</sup> (18 m <sup>2</sup> )	272 ft <sup>2</sup> (25.3 m <sup>2</sup> )
maximum infeed chain width	18 in (457 mm)	26in (660 mm)	36 in (914 mm)
maximum discharge chain width	18 in (457 mm)	26in (660 mm)	36 in (914 mm)
overall footprint			
length (5 mid sections)	64 ft (19.5 m) x	64 ft (19.5 m) x	64 ft (19.5 m) x
x fixed width	10.8 ft (3.3 m)	13.0 ft (3.9 m)	16.3 ft (4.9 m)
maximum speed *	40 fpm	40 fpm	40 fpm
voltage	240 / 480	240 / 480	240 / 480
phase	3	3	3
hz	50 / 60	50 / 60	50 / 60

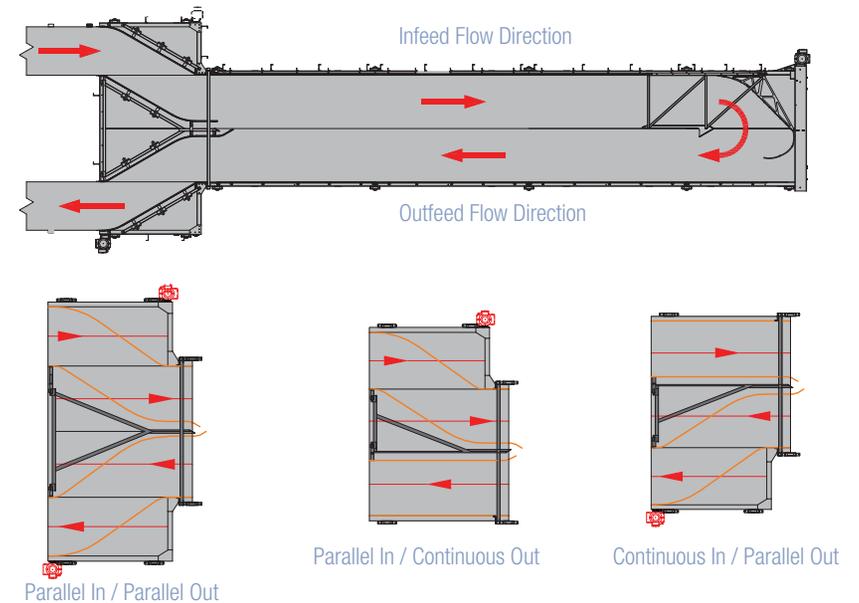
\*for reference only - product dependant

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The DYNAC 7100 is versatile with many configurations to suit your application requirements. Containers mass flow freely into and out of the DYNAC with little or no pressure. DYNAC accumulates, expanding and contracting on demand, all the while synchronized to the flow of product on your line.



### The DYNAC Advantage

DYNAC separates the upstream and downstream machine functions on your line, constantly and automatically modulating product flow between two machine centers. DYNAC eliminates the effects of any micro-stops, improving line throughput.

