



**NIGRELLI**  
by **bw** packaging

**END-OF-LINE**

**CARTONING**



## HSC 400 HORIZONTAL CARTONER

Video 

Video 

Video 

The Nigrelli HSC 400 Horizontal Cartoners are revolutionizing cartoner productivity with their impressive speed of up to 400 cartons per minute. Not only do they offer greater product throughput, but they also require minimal maintenance.

Designed for food-grade applications, the HSC 400 is perfect for handling a wide range of products such as ready-to-eat meals, bags, pizzas, jars, bottles, aluminum foil, wax paper, sleeved products, and smaller cartons. It features a high-performance rotary carton set-up that ensures exceptional reliability and efficiently erects cartons of all shapes, flap styles, and materials, including single wall paperboard and lightweight corrugate.

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# Nigrelli HSC 400 Horizontal Cartoner

## DESCRIPTION

The packaging patterns of our products are carefully organized into an infeed bucket before being cross pushed into the carton. The carton's end flaps are sealed either by using hot melt adhesive or by being neatly tucked closed. Once completed, the finished cartons are smoothly transferred by a side belt to the downstream conveyor.

One of the standout features of our HSC 400 is BW Integrated Systems' innovative patented load / no load gate. This gate plays a crucial role in reducing wasted product and preventing machine jams, as it only loads cartons that have been properly erected. The loading process itself is extremely gentle and controlled, thanks to the use of precision guided load arms and a gradual cam profile.

## FEATURES

- Food grade machine design (SS bearings, shafts, spaced surfaces, limited flat surfaces)
- Completely servo driven eliminating all lower drive components
- Easy access polycarbonate guard doors and RF interlock switches with LED display
- High-speed rotary carton setup
- Quick-adjust low profile carton magazine
- Quick change - limited adjustment points
- Provide seamless integration with upstream and downstream equipment

## AVAILABLE OPTIONS

- Stainless steel frame construction
- IM/CM cartoner functionality
- Various quick-change adjustments
- Variety of control options
- Digital read-out adjustment package
- 8-foot horizontal carton magazine
- Low carton detection
- Downstream open flap detection and rejection
- NEMA 4X washdown electrical construction
- Air-assist top hold down rail for ease of access
- Self-contained vacuum system reduces air consumption

Speed	Machine Pitch	Carton Size Range	Infeed	Magazine Capacity	Carton Setup
• Throughput speeds up to 400 cartons per minute	• 4.5" to 15" depending on product size and throughput speed requirements	• Length: 1" to 12" (2.54 cm - 30.48 cm) • Width: 1/2" to 3-1/2 (+) (1.27 cm - 8.89 cm (+)) • Depth: 4½" to 14" (11.43 cm - 35.56 cm)	• Wide range of manual and automatic infeeds available	• 4 ft horizontal carton magazine: 8 ft available	• 3-to-6 head rotary, gear driven, low-profile
Glue System	Flap Closing	Compression	Components	Electrical Requirements	Air Requirements
• Nordson ProBlue	• Servo-driven rotary flap closers with fixed stainless steel plows and guides; orbital tuckers available for tuck style cartons	• 3 ft long timing belt driven compression section	• Efficient vacuum system • Air filter regulator • Step-down transformer for controls - Efficient vacuum system	• One drop (specify voltage)	• One drop 60-80 PSI

**Contact** our experienced sales teams today for a comprehensive review of your application(s) and to see how our Horizontal Cartoners can benefit your company.