



# The Belvac Necker



The Belvac Necker, Setting a New Standard of Speed While Optimizing Container Quality, Production Throughput, and Return on Investment

## Key Benefits

The Belvac Necker marks a new generation in Belvac Necking systems. Designed to be the fastest-necking system on the market, The Belvac Necker optimizes production throughput, container quality, and operational expenses maximizing your return on investment. The modular cantilevered design provides unprecedented ease of access which reduces downtime during can jam situations and part changeovers.

The Belvac Necker set a new standard for speed reaching 3600 containers per minute, while still retaining can quality. This is achieved through a precise design that incorporates piloted tooling and a larger working arc.

The revolutionary cantilevered design of The Belvac Necker has a common modular base so any module can host the drive motor gearbox. The Belvac Necker utilizes a main motor with an integrated gearbox that eliminates the previous pulley belt system which reduces overall wear parts and is optimized for a wide range of speeds.

## Features

All Air Passages are Internal- No Exposed Air Lines

High Speed Dual Ram Assemblies with Linear Slides & High Performance Bushings

Quick Change Height & Diameter Adjustment

Significant Grease Reduction

Enhanced Face Seal Manifold for Reduced Air Consumptions

Pocket-to-Pocket Correlation

Produce Higher Output With Lower Cost of Maintenance

Improve Machinery Uptime

Create Better Access for Service & Provide Longer Component Life

Improved Turret Visibility Through Clear Panels

Integral Can Neck Lubricator



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The integral Can Neck Lubrication infeed applies a consistent strip of hot wax or mineral oil on the open end of the can, which occurs without touching the wick. This design removes roller assemblies and the gear drive box resulting in reduced parts, and less maintenance.

The Belvac Necker comes with an improved guarding system to facilitate rapid access to the working side of the machine by utilizing high speed industrial doors with clear panels for visual viewing of the machine in operation. The dropped can evacuation system is also available to

allow for improved efficiency by eliminating the need to stop the machine to clear out can accumulation.

The advanced Intelligent Manufacturing System (IMS) and the High-Speed Selective Sorter (HS3) can be integrated into The Belvac Necker which allows for dynamic quality control, sampling by Bodymaker ID, Color Dot, and Necker Pocket Number, while providing data for intelligent troubleshooting of upstream problems.

Technical Specifications		
Machine Dimensions	Length	29.23" (742 mm) per module
	Width	101.95" (2590 mm)
	Height	123.37" (3134 mm)
Can Body Size Range	202 (52.8 mm) to 211 (66.2 mm)	
Can Neck Size Range	200 to 209	
Can Height Range	3.30" (83.8 mm) to 7.51" (190.8 mm)	
Neck Length Range	0.81" (20.6 mm)	
Neck Shoulder Range	0.23" (5.8 mm) to 0.75" (19.1 mm)	
Rated Speed (CPM) (Linear Machine)	3600 CPM	
Pockets per Working Turret	12	
Pockets per Transfer Turret	20	
Max Cam Stroke Push Side (Less BIS)	1.977" (50.2 mm)	
Max Cam Stroke Knock-Out Side	1.26" (32.0 mm)	
Ram Assembly Style	Precision Linear Bearings with Dual Cam Followers	
Main Shaft Style	Horizontal, Cantilevered	
Main Drive Motor and Gearbox	Single/Dual SEW Drive; Configuration Dependent	
Gearbox	Horizontal Parallel Shaft, Helical Gear	
Drive Gearing	Spur Gear, Inline Steel Oil Bath Lubed	
Waxer	Can Neck Lubricator (Hot Wax or Mineral Oil)	



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