



The 810K Necker



Necking
Large-Diameter Cans,
the 810K Necker
Seamlessly Blends
Belvac's Precision
Engineering into a
Large Can Platform

Key Benefits

The 810K Necker, an unparalleled innovation in the industry, designed to neck large-diameter cans with exceptional precision. Engineered to accommodate an extensive range of can body sizes—from 211 to 307 diameters—and neck sizes from 200 to 209 diameters, with heights spanning from 3.50" to 8.31", the 810K Necker rounds out Belvac's versatile necking capabilities. The Necker's modular design facilitates seamless expansion, allowing canmakers to efficiently adapt to varying production needs. This flexibility is coupled with the machine's impressive operational speed, the 810K is capable of continuously operating up to 1800 CPM.

The 810K's solid ram design is contained within a removeable assembly for easy workshop rebuilds delivering longevity and reliability, ensuring consistent production quality over time. The 810K has been engineered with a focus on efficiency and cost-effectiveness.

Features

- Air Assisted Discharge Trackwork
- Vacuum Transfer Starwheels
- Extended Height Range for 3.50" to 8.31"
- Standard Quick-Change Features
- RAVE Guarding
- Pocket-to-Pocket Correlation
- Integrated Can Neck Lubricator
- Hard Chrome-plated Can Guide and Starwheels
- Modular Design
- Advanced Face Seal Manifold to Minimize Air Consumption
- Integrated Inspection Systems
- Continuously Operating up to 1800 CPM



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With features such as standardized turrets, machine operations have been streamlined, reducing, combining, and simplifying components, thus minimizing the time required for can-size dependent changeovers. Operators benefit from increased flexibility, utilizing common hand tools for machine adjustments, further enhancing operational efficiency.

The 810K Necker optimizes production throughput and container quality while significantly reducing downtime for maintenance, thereby maximizing return on investment. An integrated Can Neck Lubricator (CNL) infeed applies a consistent strip of hot wax or mineral oil to

the open end of the can without contacting the wick. This innovative design eliminates the need for roller assemblies and gear drive boxes, resulting in fewer parts and reduced maintenance requirements. Similar to other Belvac Necking machines, the 810K offers flanging, reforming, reprofiling, light tester, and inspection modules, providing comprehensive necking solutions. Additionally, the 810K features an improved guarding system with high-speed industrial doors and clear panels for visual monitoring, facilitating rapid access to the working side of the machine.

Technical Specifications		
Machine Dimensions (Length x Width x Height)	Length	31" (787.4 mm) per module
	Width	115" (2921mm)
	Height	107" (2718mm)
Can Body Size Range	211 (66.2mm) to 307 (83.8mm)	
Can Neck Size Range	200 to 209	
Can Height Range	3.50" (89mm) to 8.31" (211mm)	
Neck Length Range	0.23" (5.8mm) to 1.060" (26.9mm)	
Neck Shoulder Range	Approx. 1.18" (30mm)	
Rated Speed (Linear Machine)	1800 CPM	
Pockets per Working/ Transfer Turret	10/ 10	
Max Cam Stroke Push Side (Less BIS)	2.500" (63.5mm)	
Max Cam Stroke Knock-Out Side	1.681" (47.2mm)	
Cam Working Arc	180 Degrees	
Ram Assembly Style	Cast Iron Bushing with Dual Cam Followers	
Main Shaft Style	Horizontal	
Main Drive Motor and Gearbox	Single/Multiple Drive and Gearbox (Configuration Dependent)	
Waxer	Optional, Can Neck Lubricator (Hot Wax or Mineral Oil)	



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