Servo Belvac Necker

Continuously Operating up to 3,600 CPM The Servo Belvac Necker Offers the Most Flexibility, Highest Efficiencies, and Lowest Cost of Operation

Key Benefits

The Servo Belvac Necker machine utilizes advanced servo motor control technology, allowing for every turret to independently rotate. This design aspect is ideal for quicker tooling changeovers and resolving can jam situations, which significantly reduces downtime with faster synchronization and system resets. The independent motor controls along with the common base platform allow for increased flexibility regarding machine configurations and future can size upgrades.

The Servo machine continuously operates at 3600 containers per minute (CPM) while sustaining pocket-to-pocket integrity. When operating at this rated speed, the electrical consumption is up to 15% lower than the standard motor and gearbox configuration on a traditional Necker. The mechanical brake system and gear train are not required, further simplifying maintenance requirements.

Features

Cartridge Direct Drive Rotary Servo Motors
Base Design is Rotationally Independent
Integrated Can Evacuation System
All Air Passages are Internal (No Exposed Air Lines)
Rapid Access Vertical Enclosure (RAVE) Guarding
Sliding HMI Control Panel
Dynamic Braking System
Quick-Change Height & Diameter Adjustment
Pocket-to-Pocket Correlation
Higher Output with Lower Maintenance Costs
Improved Machinery Uptime
Ease of Access for Service

Servo Belvac Necker

The turret side of the Servo Belvac Necker maintains the commonality of the previous design which allows for interchangeable components between the two models. All the features of The Belvac Necker are also available on the Servo Model. Similarly, to The Belvac Necker, the Servo design can be equipped with modules to perform other processing functions including Intermediate Infeeds, Flanging, Reforming, and Inspection systems.

The advanced Intelligent Manufacturing System (IMS) and the High-Speed Selective Sorter (HS3) can be integrated into the Servo, 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.

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.

Technical Specifications		
Machine Dimensions	Length	29.23" (742 mm) per module
	Width	113.43" (2881 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" (9.1 mm)	
Rated Speed (Linear Machine)	3600 CPM (300 RPM Max Turret Speed)	
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	Cantilevered, Horizontal	
Drive System	Cartridge Direct Drive Rotary Servo Motors	
Waxer System	Can Neck Lubricator (Hot Wax or Mineral Oil)	

Belvac
a DOVER company

Sales@belvac.com
237 Graves Mill Road
Lynchburg, VA 24502 USA
434.239.0358
www.belvac.com