



The Shaper



Through Deep Necking and Expansion, The Shaper Effortlessly Adds Distinction to Cans & Bottles up to 1200 CPM

Key Benefits

The Belvac Shaper creates deep necks and expansions resulting in unique container shapes at speeds up to 1200 CPM. The Shaper effortlessly adds distinction to both cans and bottles by shaping the sidewall of the container up to 200mm from the cut edge and 16mm above the chime of the can.

Can height ranges from 95.3 mm up to 254 mm, and the diameter ranges from 45.0 mm to 83.8 mm. Both height and diameter adjustments have quick-change capabilities. The modular design of the Shaper features an automatic cam lubrication, and optional waxer designed for mineral oil or hot wax application.

The Shaper utilizes an advanced servo motor system that removes the traditional gears and oil bath while allowing each turret and transfer to rotate independently, ideal for quick tooling changeovers.

Features

Shapes Both Bottles and Cans

Shapes up to 200mm from the Cut Edge

Shapes up to 16mm from Chime Profile

Container Heights from 95.3mm to 254mm

Body Size from 45 mm to 83.8 mm

Quick-Change Capabilities

Flexible HMI Panel

Shapes up to 1200 CPM



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When equipped to recirculate, the footprint is significantly reduced, changeovers are faster, and there are less wear parts. Compressed air, vacuum blowers and push pads utility requirements are also greatly reduced due to recirculation.

The Shaper demonstrates pocket-to-pocket integrity as the can moves through the necking process. The number of turrets required is a function of the progressions necessary.

Technical Specifications		
Machine Dimensions	Length	45.5" (1156 mm) x # Modules
	Width	106" (2692 mm)
	Height	111" (2819 mm)
Can Body Size Range	1.772" (45.0 mm) to 2.875" (73.00 mm)	
Can Neck Expansion	Material Spec. Dependent	
Can Height Range	3.75" (95.3 mm) to 10" (254 mm)	
Maximum Neck Shoulder Dimension	16 mm to 200 mm	
Rated Speed	Linear	1200 CPM (100 RPM)
	Recirculation	600 CPM (100 RPM)
Pockets per Working/ Transfer Turret	12/20	
Pocket-to-Pocket Integrity	Yes	
Active Pockets (Linear)	12	
Active Pockets with Recirculation	6	
Cam Working Arc	270 Degrees	
Diameter Change Capability	One QC Parts Kit per Diameter	
Height Change Capability	"Quick Change"	
Main Shaft Style	Vertical	
Guard Style	Aluminum Extruded Modular with Optional Locking Feature	
Main Drive Motor and Gearbox	Servo	
Transfer Shaft Assembly	Quick Change Modular	
Infeed Starwheel	Quick Change Modular	
Waxer	Optional 450 QC Waxer	
Transfer Starwheel	20-Pocket Quick Change Modular	
Face Seal Manifold	Modular FSM with HyComp Lining	



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