



# Shaper™



The Shaper™ Effortlessly Adds Distinction to Both Cans & Bottles.

## Key Benefits

Containers that require vertical sidewall shaping and need to be finished as a can require a high-speed, dependable, and proven container shaping solution. The Shaper™ is the perfect choice. The Shaper™ will effortlessly add distinction to both cans and bottles by shaping the sidewall of the container up to 200mm from the top edge and within 16 mm of the can outside dimension at the top of the chime profile.

The Shaper™ is a multi-drive system. The number of required drives is dependent on the required number of operations and subsequent number of stages needed to arrive at the desired shaped container.

The Shaper™ also demonstrates pocket-to-pocket integrity as the can moves through the necking process. Cans infeed and transfer with 20 pocket star wheels and are shaped on active turrets with 12 pocket star wheels with a 270 degree working arc. The number of turrets required is a function of the progressions necessary.

Can height range is from 95.3mm up to 254 mm, and the can body size range from 45.0mm to 73 mm. Both height and diameter adjustments have quick-change capabilities.

## Features

Shapes at 1200 Containers Per Minute

Vertical Side Wall Shaping

Shapes Both Bottle and Cans

Shape Up to 200mm from Top Edge

Up to 20 Processing Modules

Container Heights from 95.3mm to 254mm

Body Size from 45.0mm to 73.00mm

Quick Change Capabilities

12 Pocket Starwheel

270-Degree Working Arc

Dual Action Cam Stroke

Automatic Cam Lube

Improved Turret Visibility thru Clear Panels

Less Than Half the Weight of 595-SK Steel Guards

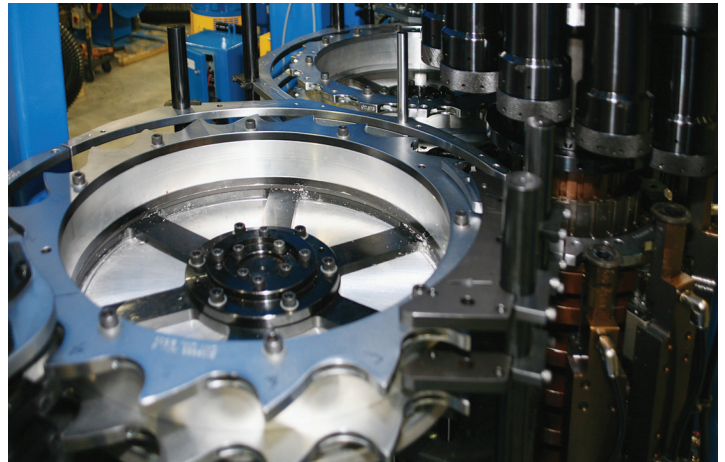
New Integral Can Neck Lubricator



The modular design of the Shaper™ platform features automatic cam lubrication, an add on waxer designed for mineral oil or hot wax applications, and air assisted discharge track work.

The modular platform can accommodate up to 20 processing modular bases and additional stages for can inspection modules.

The ram assembly has a dual action cam stroke on a vertical main shaft. The push stroke is 129.5mm and the die cam stroke is 101.1mm. The dual stroke design allows for both the depth of the shaping process and the high rotational speeds of the turret.



Technical Specifications	Shaper™	
Can Body Size Range	1.772" (45.0 mm) to 2.875" (73.00 mm)	
Can Neck Size Range	As Required	
Can Neck Expansion	Material Spec. Dependent	
Maximum Can Height	10" (254 mm)	
Minimum Can Height	3.75" (95.3 mm)	
Number of Pockets per Working Turret	12	
Number of Pockets per Transfer Turret	20	
Pocket-to-Pocket Integrity	Yes	
"Active" Pockets (Linear)	12	
Shaped Can	Yes	
"Active" Pockets (Recirculation)	Not Applicable	
Rated Speed (CPM)	1200 CPM (100RPM)	
<i>Required Utilities</i>	<i>Pressure Requirements</i>	<i>Flow Requirements</i>
Dual Compressor Setup	<ul style="list-style-type: none"> <li>• 90 psig (6.2 BAR) Process Air</li> <li>• 80 psig (5.5 BAR) Pumps, etc.</li> <li>• 80 psig (5.5 BAR) cam auto lube (intermittent)</li> </ul>	<ul style="list-style-type: none"> <li>• 125 CFM Compressed Air (59 LPS) per Necker or Expander Turret</li> <li>• 40 CFM Compressed Air (19 LPS) for Pumps, etc.</li> </ul>
Single Compressor Setup	<ul style="list-style-type: none"> <li>• 90 psig (6.2 BAR)</li> </ul>	<ul style="list-style-type: none"> <li>• 125 CFM Compressed Air (59 LPS) per Necker or Expander Turret</li> <li>• 40 CFM Compressed Air (19 LPS) for Pumps, etc.</li> </ul>
Inspection Blow-Off	<ul style="list-style-type: none"> <li>• 80 psig (5.5BAR) minimum</li> </ul>	<ul style="list-style-type: none"> <li>• 100 CFM Compressed Air (24 L/s) per Blow-Off</li> </ul>
Trimmer Scrap Vacuum Utilities (Minimum)	Not Applicable	
Vacuum	18 In/HG @ 90 CFM (457 mm HG @ 42 LPS) /Module	

Technical Specifications	Shaper™	
Machine Overall Dimensions	Length	[45.5" (1156 mm) x # Modules]
	Depth	106" (2692 mm)
	Width	111" (2819 mm)
Maximum Neck Shoulder Dimension	Approx 7.87" (200 mm)	
Maximum Neck Length	Not Applicable	
Minimum Neck Length	Not Applicable	
Effective Push Cam Stroke (Less BIS) Max	5.10" (129.5 mm)	
Die Cam Stroke Max	3.98" (101.1 mm)	
Cam Dynamics	Reduced Dynamics Cam (RDC)	
Cam Working Arc	270 Degrees	
Diameter Change Capability	One QC parts kit per can diameter	
Height Change Capability	"Quick Change"	
Ram Assembly Style	Precision linear bearings with Dual Cam Followers	
Main Shaft Style	Vertical	
Guard Style	Aluminum Extruded Modular	
Main Drive Motor and Gearbox	Multiple Drive: Configuration Dependent	
Gearbox	Vertical Parallel Shaft, Helical Gear	
Drive Gearing	Spur Gear, Steel Oil Drip Lube	
Transfer Shaft Assembly	Quick Change Modular	
Blowers	Floor Standing	
Infeed Star Wheel	20-Pocket Quick Change Modular	
Waxer	Optional 450QC Waxer – Stand Alone	
Transfer Starwheel	20-Pocket Quick Change Modular	
Discharge Starwheel	20-Pocket Quick Change Modular	
Face Seal Manifold	Modular FSM with HyComp Lining	
Main Drive Side Bearing	2–Single Row Taper Roller Bearings	
Die Side Bearing	Deep Groove Ball Bearing	