

Technical Specifications for the Shaper™

SHAPER™

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)	
Required Utilities	Pressure Requirements	Flow Requirements
Dual Compressor Setup	90 psig (6.2 BAR) Process Air 80 psig (5.5 BAR) Pumps, etc. 80 psig (5.5 bar) cam auto lube (intermittent)	125 CFM (Compressed Air (59 LPS) per Necker or Expander Turret 40 CFM Compressed Air (19 LPS) for Pumps, etc.
Single Compressor Setup	90 psig (6.2 BAR)	125 CFM Compressed Air (59 LPS) per Necker or Expabder Turret 40 CFM Compressed Air (19 LPS) for Pumps, etc.
Inspection Blow-Off	80 psig (5.5BAR) minimum	100 CFM Compressed Air (24 L/s) per Blow-Off
Trimmer Scrap Vacuum Utilities (Minimum)	Not Applicable	
Required Utilities: Vacuum	18 In/HG @ 90 CFM (457 mm HG @ 42 LPS) /Module	

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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	