

Technical Specifications

590VE

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Can Body Size Range		202 (52.8mm) to 211 (66.2mm)		Machine Overall Dimensions	Length	[31" (787.4mm) + 27" (685.8mm) x # Modules]	
Can Neck Size Range		200 (50mm) to 209 (62mm)			Width (Non-Cradle Mount)	106" (2692mm)	
Maximum Can Height		7.51" (190mm)			Width (Cradle Mount)	131" (3327mm)	
Minimum Can Height		3.30" (84mm)			Height	99" (2514.6mm)	
Number of Pockets per Working Turret		12		Maximum Neck Shoulder Dimension	Approx. 0.81" (20.6mm)		
Number of Pockets per Transfer Turret		12		Maximum Neck Length	0.750" (19.05mm)		
Pocket-to-Pocket Integrity		Yes		Minimum Neck Length	0.23" (5.8mm)		
"Active" Pockets (Linear		12		Effective Push Cam Stroke (Less BIS) Max	1.750" (44.4mm) (RDC)		
Shaped Can Option Capable		Not Applicable		KO Cam Stroke Max	0.917" (23.3mm) (RDC)		
"Active" Pockets (Recirculation)		Not Applicable		Cam Dynamics	Reduced Dynamics Cam (RDC)		
Rated Speed (CPM) (Linear Machine)	Model: 590	1800 CPM (150 RPM Max Turret Speed)		Cam Style	Matched or Differential Velocity		
	Model: 590A	1800 CPM (150 RPM Max Turret Speed)		Cam Working Arc	180 degrees		
Rated Speed (CPM) (Recirculation Machine)	Not Applicable			Diameter Change Capability	One QC parts kit per can diameter		
Required Utilities: Dual Compressor Setup	Pressure Requirements	Flow Requirements		Height Change Capability	"Quick Change"		
	50 psig (3.4 BAR) Process Air 80 psig (5.5 BAR) Brake Circuit	<ul style="list-style-type: none"> • 80 SCFM (38 SLPS) per Necking Turret • 40 SCFM (19 SLPS) per Flanger or Light Tester Turret • 50 SCFM (24 SLPS) per Reformer or Reprofiler Turret 		Ram Assembly Style	Cast Iron Bushing with Dual Cam Followers		
Required Utilities: Single Compressor Setup	80 psig (5.5 BAR)	<ul style="list-style-type: none"> • 80 SCFM (38 SLPS) per Necking Turret • 40 SCFM (19 SLPS) per Flanger or Light Tester Turret • 50 SCFM (24 SLPS) per Reformer or Reprofiler Turret 		Main Shaft Style	Horizontal		
	80 psig (5.5 BAR) minimum	100 SCFM (24 L/s) Per Blow-Off		Guard Style	Aluminum Extruded Modular Bi-Fold		
Required Utilities: Inspection Blow-Off (Lt/V)	8-10 In/HG @ 30 SCFM (203mm-254mm HG @ 14.2 SLPS)			Main Drive Motor and Gearbox	Single or Multiple Drive: Configuration Dependent		
Required Utilities: Vacuum				Gearbox	Helical Bevel		
				Drive Gearing	Spur Gear, Inline Steel Oil Bath Lubed		
				Transfer Shaft Assembly	Quick Change Modular		
				Blowers	Floor Standing		
				Infeed Star Wheel	Quick Change Modular		
				Waxer	Optional, model 480, hot wax or oil, gear driven		
				Transfer Starwheel	Quick Change Modular		
				Discharge Starwheel	Quick Change Modular		
				Face Seal Manifold	Modular FSM with HyComp Lining		
				Main Drive Side Bearing	Tapered Roller Bearing		
				Pusher Side Bearing	Radial Roller Bearing		
				Auto Lubrication	Not Standard on 590VE		