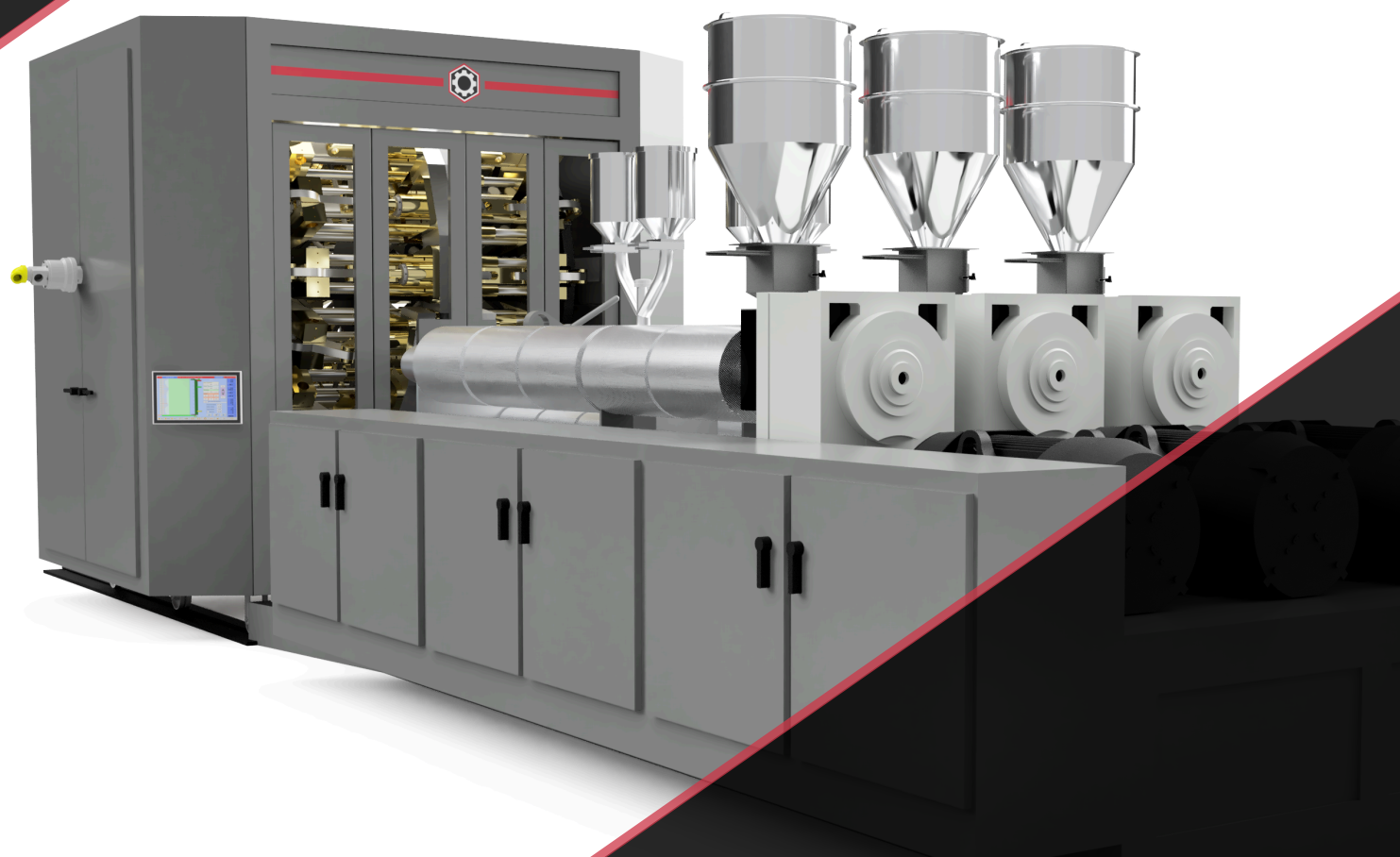


ROTARY BLOW MOLDING



WHO WE ARE, WHAT WE DO:

- **HIGHEST QUALITY CONTAINERS**
- **MULTI-MILLION-UNIT OUTPUT**
- **REDUCTION OR ELIMINATION OF PRODUCTION WASTE**

Since 1979, Wilmington Machinery has been providing the beverage, food and container industries with high-volume, high-quality solutions for their bottle manufacturing needs. Our versatile line of high-speed monolayer and multilayer rotary extrusion blow molding machines is complemented by our recycling technologies, which immediately puts plastic waste back to work.

Wilmington Machinery is the recognized leader in these blow molding machines and systems. Our continuous extrusion and needle-blow techniques allow our customers to produce the highest-quality containers. Our products accommodate a broad range of applications, container sizes and production requirements. Wilmington Machinery's all-electric blow-molding systems have been engineered to achieve the lowest cost per bottle and quality once believed unreachable. If you're a custom molder or an end user with annual volumes exceeding 28 million larger bottles, over 500 ml, or more than 125 million for smaller bottles, Wilmington Machinery has the solution for you.

As the world pushes sustainable plastics, Wilmington has stepped forward. Our multi-layer technologies allow reclaimed regrind to be reused and recycled into the bottle right at manufacture.

Wilmington Machinery specializes in building quality machinery for the highest-volume production. All of our machinery is designed and built in the USA. Our modern, 65,000-square foot plant is in beautiful Wilmington NC.

Need help with production? Wilmington can take complete responsibility for setting up your production line, everything from container design and molds to decorating and packing, as well as handling facility improvements and auxiliary machinery. Choose Wilmington Machinery to ensure quality blow-molding processing and a fast, efficient start-up in your plant

MACHINERY BUILT FOR SUSTAINABILITY.

SERIES III B

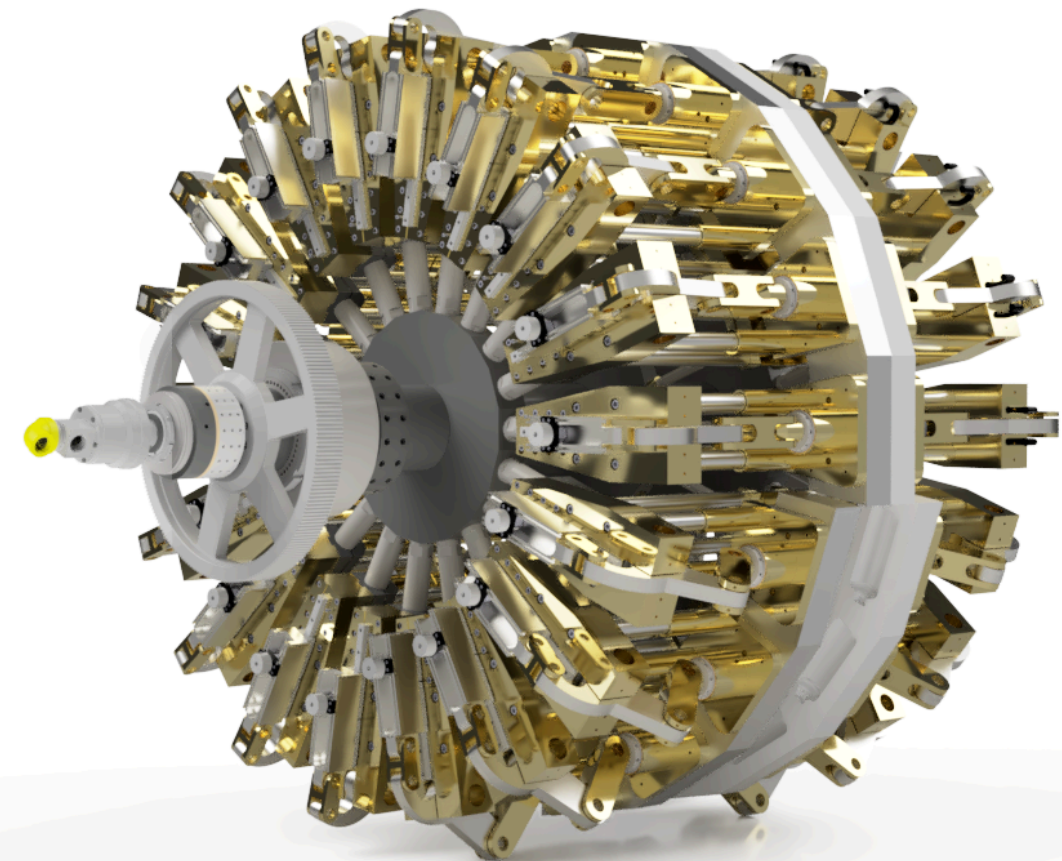
ROTARY BLOW MOLDING MACHINES

(LARGER BOTTLE MACHINES)

Bottles ranging size from .5 – 1.0 liter producing between 47 million – 185 million bottles per year and 1.0 to 8.0 liter bottle production between 28 million and 185 million per year.

Machines configurations available: *single or dual parison, view stripes, neck to neck, single layer, or multilayer*

Typical bottle types: *handle ware, food packaging, oil, detergent, and cleaners*



SERIES III B FEATURES AND ADVANTAGES

- Clamp sizes / quantity to match all requirements
- Easily configured for monolayer and multi-layer applications
- Single or dual parison
- Efficient electric drive(s) on extrusion system
- Low profile for ease of operator access
- Part removal and trimming matched to the application
- In-mold labeling and view stripe capable
- Lowest investment cost for high-speed applications
- Extreme bottle quality consistency
- Continuous rotary motion
- Wilmington's exclusive "Radial Mold Positioning"
- Electro mechanical clamping system
- Precise, repeatable camming functions
- Extrusion rates up to 4000 kg/hr. of any layer configuration
- Fast mold tonnage build-up for PP applications
- Positive bottle removal from mold
- Quick mold change
- All-electric

SUPERB SERVICE

The Wilmington team prides itself in exceptional customer support. Work with the experts at Wilmington Machinery to engineer a complete turnkey solution to your blow molding project. Wilmington solutions include bottle takeout, conveyors, trimming, and leak detection systems integrated into one complete solution.

SERIES III B SPECIFICATIONS

SERIES III B	2.5W	5W	7.5W	10W
Bottle Size Range	.5 to 1 litre	1 to 2 litre	2 to 5 litre	4 to 8 litre
Mold Sizes <div>Length</div> <div>Width</div> <div>Stack</div>	8" - 12" 6" 7"	10.5" - 14" 8" 8"	14" - 18" 10" 10"	16" - 20" 10" 10"
Clamping Stations	15, 18, 24, 30	9, 12, 15, 18, 24, 30	9, 12, 15, 18, 21	9, 12, 15, 18
Clamping Force, tons	2.5	5	7.5	10
Clamping Action	Mechanical, Cam	Mechanical, Cam	Mechanical, Cam	Mechanical, Cam
Rotating Speed max.	6	6	6	6
Number of Parisons	1 or 2	1 or 2	1 or 2	1 or 2
Blowing Type	Needle	Needle	Needle	Needle
Neck to Neck Capabilities	Yes	Yes	Yes	Yes
Extrusion Monolayer	Up to 1800 lb/hr	Up to 1800 lb/hr	Up to 3000 lb/hr	Up to 4000 lb/hr
Multilayer	Optional	Optional	Optional	Optional
View Stripe	Optional	Optional	Optional	Optional
Barrel Cooling	Yes	Yes	Yes	Yes
Bottle Handling / Trimming	Yes	Yes	Yes	Yes
Utility Requirements	Based upon application	Based upon application	Based upon application	Based upon application
Bottle Types	Beverage, Chemical	Beverage, Chemical	Beverage, Chemical	Beverage, Chemical

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. OTHER SPECIFICATIONS AVAILABLE ON REQUEST

SB SERIES

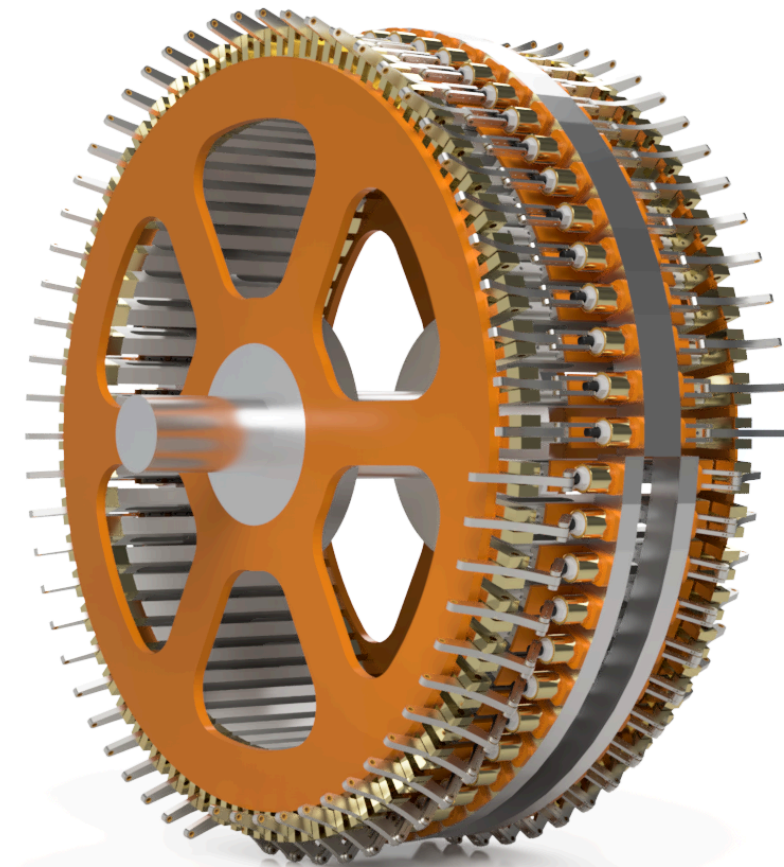
ROTARY BLOW MOLDING MACHINES

(SMALL BOTTLE MACHINES)

Bottles ranging in size from 80 ml to 500 ml and production volumes of 126 million to 630 million bottles per year on a single machine.

Machines configurations available: *single or dual parison, view stripes, single layer, or multilayer*

Typical bottle types: *single serve, energy drinks, liquid yogurts, health supplements, juices, and dairy*



SB (SMALL BOTTLE) SERIES FEATURES AND ADVANTAGES

- Economical method to produce single serve dairy and juice containers
- Minimum floor space, simple to operate
- Configured for coextrusion
- Precise mechanical clamping system
- Efficient electric extrusion drive
- Integrated part removal and trimming for rates up to 450 BPM
- Low profile machine for ease of access
- Excellent for polypropylene and multi-layer application
- 24 to 120 cavities
- Extrusion rates up to 2,000 lb./hr.
- Cycles as low as 6 seconds
- Quick mold change due to ease of access
- Container sizes from 80 ml to 12 oz.
- Radial mold positioning for minimum scrap
- High speed rotary spin trimmer
- All-electric

SUPERB SERVICE

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SB ***(SMALL BOTTLE)*** **SPECIFICATIONS**

SMALL BOTTLE WHEEL	MSB	SB
Typical Bottle Size Range, ml	80 to 250 ml	250 to 500 ml
Typical Bottle Production Rate	7,500 to 70,000 BPH	7,500 to 70,000 BPH
Cavitation (single parison)	24 to 120	24 to 120
Clamping Force, tons / kn	1 / 8.9	1.5 / 13.3
Clamping Action	Mechanical, cam	Mechanical, cam
Bottle Type	Spin Dome Trim	Spin Dome Trim
Rotating Speed, Max RPM	10	10
Mold Chord Length, inches / mm	5.75 to 7.0 / 146 to 177	7.0 to 9.5 / 177 to 241
Mold Width, inches / mm	5 / 127	6 / 152
Mold Stack Height, inches / mm	6 / 152	7 / 178
Mold Stroke, inches / mm	6 to 9 / 152 to 228 (depending upon number of stations and extrusion system)	6 to 9 / 152 to 228 (depending upon number of stations and extrusion system)
Extrusion Configuration	Monolayer, Coextrusion or Multilayer	Monolayer, Coextrusion or Multilayer
Extrusion Throughputs, lb / kg per hour	300 to 2000 / 136 to 900	300 to 2000 / 136 to 900
View Stripe	Optional	Optional
Barrel Cooling	Forced Air	Forced Air
Mold Cooling GPM / LPM per Mold	3.0 / 11.4	3.0 / 11.4

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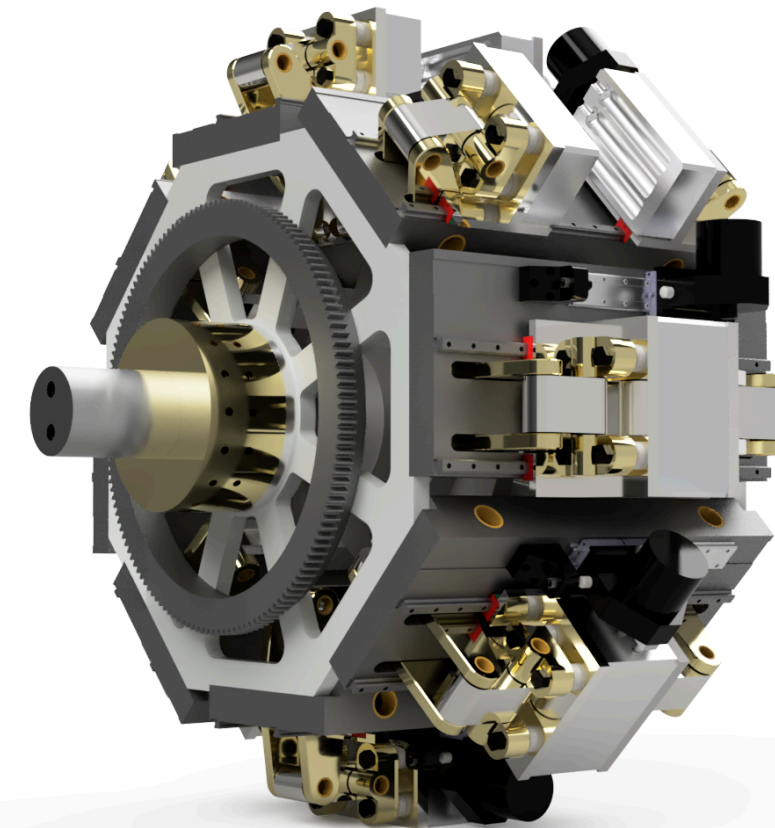
SERIES IV

ROTARY BLOW MOLDING MACHINES

(CALIBRATED NECK)

Wilmington Machinery All-New Series IV 8-Station Machine is designed for volume production of 8oz to 4 litre bottles at rates from 48 to 144 bottles per minute. The new machine is available with single, dual, and triple parison die heads for monolayer or multilayer bottles for food, chemical and other applications.

The Series IV machines like Wilmington's other rotary machines is all-electric, comparatively small footprint, and boasts minimal labor and maintenance. New control systems are more operator friendly and provide for data collection and trending analysis.



SERIES IV FEATURES AND ADVANTAGES

- 48-144 Bottles per minute
- 8 oz to 4 liter
- Monolayer or multilayer
- Single, dual, triple parison
- Monolayer or multilayer
- Integrated calibration
- Integrated deflash
- Continuous rotary all electric motions
- Operator friendly controls
- Reduced floor space
- Reduced Utilities
- Bottle quality and consistency
- Flexible
- Low cost per cavity

SUPERB SERVICE

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SERIES IV SPECIFICATIONS

SERIES IV		7.5W
Tonnage		7.5
Mold Sizes	Length	18" MAX
	Width	10" MAX
	Stack	12" MAX
Stroke		12"
Clamping Stations		8
Extruders		4.5" - 6"
Number of Parisons		1, 2, 3
Rotating Speed max.		6
Clamping Action		Mechanical

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