

# SMALL BOTTLE SERIES

Perfect for Single Serve Dairy, Juice, Liquid Yogurt and Food Containers



*Shown: SB-40 Dual Parison, 3-Layer producing 100 ml yogurt bottles.*

Wilmington's Small Bottle Series Rotary Blow Molding Machines are designed for the production of small/medium single serve drink bottles and foodstuffs, from 80 ml to 12 oz. at rates of 240 to 1,200 bottles per minute. Single or dual parison, 1-6 layers.

## Advantages

- The most economical method to produce single serve dairy and juice containers
- Minimum floor space, simple to operate
- Easily 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

## Features

- 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

## A History of Successes

1980

- 6 Layer, Ross Ensure 250 BPM
- 6 Layer, 8 oz Smoothie 250 BPM
- 80 ml, Energy Drink Dual Parison, 600 BPM
- 4 oz, Yogurt Drink Dual Parison, 800 BPM
- 100 ml, Yogurt Drink Dual Parison, 1,200 BPM

PRESENT



# SMALL BOTTLE SERIES

## Specifications

US SPECIFICATIONS – UPDATED AUGUST 2019

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 station and extrusion system)	6 to 9 / 152 to 228 (depending upon number of station 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
Connected Load, kW	Depends Upon Extrusion Rate Required, Contact Factory	Depends Upon Extrusion Rate Required, Contact Factory
Compressed Air Requirements	Depends Upon Bottle Size and BPM, Contact Factory	Depends Upon Bottle Size and BPM, Contact Factory

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