

50-V5 ISBM Machine

Injection Stretch Blow Molding Machine

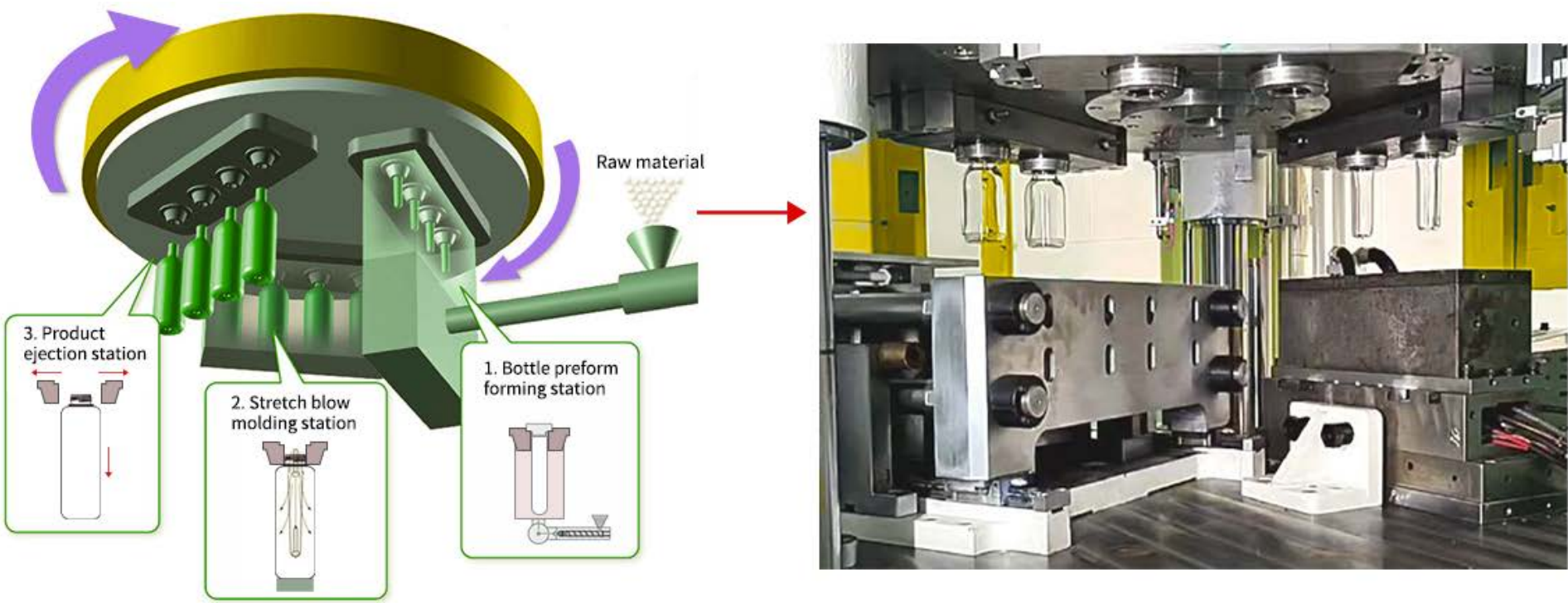
Hydraulic model



ISBM

Web: <https://isbmmachine.net/>
E-mail: info@isbmmachine.net

Principle of 3 Station Production Processes



First Station

Plastic particles are injected into the injection mold cavity through the injection molding system to form a preform, the bottle mouth thread is precisely and stably sized.

Second Station

Rotate the turntable 120 degrees to bring the preform to the blowmolding station, and stretch and blow the preform into a container.

Third Station

The turntable rotates again to eject the blow molded container from this workstation, completing the production cycle of a finished product.

50-V5 Specification

Injection unit

Screw diameter	35mm
Injection capacity	130m ³
Injection rate	90m ³ /s
Injection pressure	160Mpa
Ratory speed	0~200rpm

Injection station

Clamping force	100KN
Up stroke	450mm
Down stroke	225mm

Oil tank capacity

Oil tank	180L
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Stretch blowing station

Clamping force	70KN
Blow core stroke	200mm
Open stroke	70mm

Take-out station

Take-out station	100mm
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Machine power

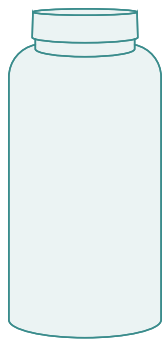
Installed power	20KW
Voltage	380V/50Hz

Weight and dimension

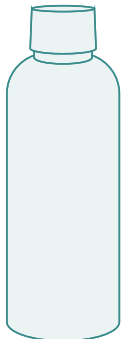
Dimenstion	3.4*1.2*2.5m(L*W*H)
Weight	3.5T

Mold cavity	1	2	3	4	5	6
Max. Bodydiameter (mm)	90	80	64	45	35	28
Max. Height (mm)	200	200	200	200	200	200
Max. Neck size (mm)	60	38	30	27	20	17
Max. Weight (g)	105	50	35	28	22	18
Max. Volume (L)	2	1	0.5	0.3	0.15	0.1

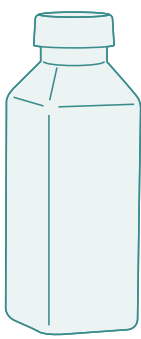
Plastic bottle type made by 50-V5



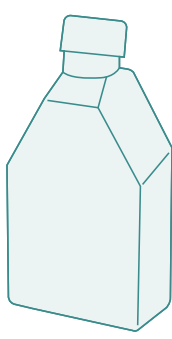
Wide Mouth
Plastic Bottle



Round Plastic
Bottle



Square Plastic
Bottle



Odd Shaped
Plastic Bottles

The case of bottle made by 50-V5 model



- roduct: white PP bottle
- Machine model: 50-V5 (3 stations)
- Molds: 4 cavities
- Cycle time: 10s
- Production capacity: 1,440pcs/h, 34,560pcs/24h



- Material: PP
- Neck diameter: 17mm
- Bulb diameter: 52mm
- Height: 160mm
- Weight: 21g

Packages of 50-V5

Standard Packages

- 1. ISBM machine
- 2. Mold

In standard quotation, only include one ISBM machine & 1 set mold

Optional Packages

Auxiliary equipment

- 1. Air compressor
- 2. Dehumidifier dryer
- 3. Tail cutter
- 4. Bottle grinder
- 5. Robot arm
- 6. Water chiller
- 7. Dosing mixer
- 8. Mold temperature controller
- 9. Mold dehumidifier
- 10. Conveyor
- 11. Auto packaging machine



Videos

- <https://youtu.be/r6bJlgRMUUQ>
- <https://youtu.be/yyw3X5cr2Yk>
- https://youtu.be/vBKxW0V_FMk
- <https://youtu.be/Xri6ajoj9TA>