

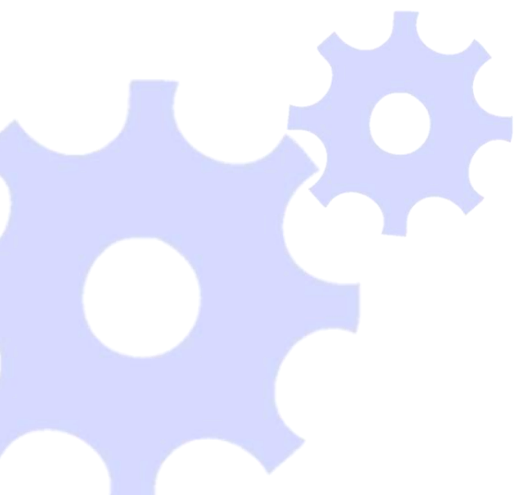
MP Series

Fully/Semi Automatic
Reheat Stretch Blow Moulding Machine



W E I L I

PLASTICS MACHINERY (HK) LIMITED
HONG KONG



The Source Of Professional Plastic Machinery

MP Series

Operation Flow

Fully/Semi Automatic Reheat Stretch Blow Moulding Machine



Step 1 Preform Feeding

Automatic/Manual feeding into machine

* Optional Components

Step 2 Preform Heating

Tailor-made heating lamps built inside the unique-arranged heating zones are catered to condition precise heating temperature with optimum heating penetration.



Step 4 Bottle Ejection

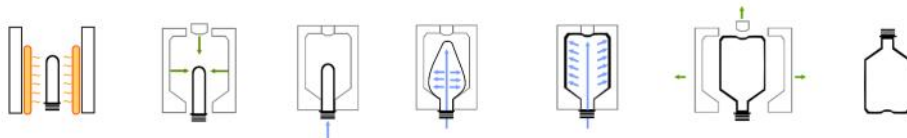
Bottle can be Automatically/Manually ejected from the machine and can be placed onto an optional conveyor.

* PET, PP, PC, etc

* Optional Components

Step 3 Bottle Stretching & Blowing

Innovative mechanical mould locking system can stand with blowing air pressure up to 30 bars and still deliver bottles with almost seamless parting line.



Applications

High Clarity



PP Sports Bottle

BPA-Free



PP Baby Bottle

Automatic Handle Insertion



Handled Oil Bottle

Clean & Tidy



PET Food Jar

High Quality



PET Cosmetic Bottle

PET:
Carbonated Drink
Toy & Stationery
Sauce & Seasoning

PP:
Squeezable Bottle
Moisture Sensitive Powder
Heat Resistance Container

Other Applications

Up To 190mm



Wide Mouth Jar

Up To 20 L



Large Jar

Various Sizes



Large Water Bottle

Moisture-Proof



PP Canister

Glass-Like



PET Bottle For Food

PET
PETG
TRITAN
PS
SAN
PES
PPSU
etc.

PP
PC
PMMA
MS
PLA
PA
RPET

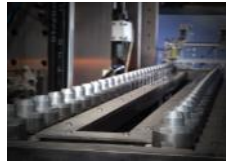
* Material Options

Features



Energy Saving

- Natural Air Circulation
- Minimum Energy Consumption
- Optimum Heating Temperature



Affordable Investment

- Simple Operation
- Minimum Maintenance Cost
- Low Machine Investment



Innovative Design

- Dual Moving Platens
- Compact Machine Design
- Mechanical Mould Locking System



High Performance

- High in Productivity
- Efficient Heat Penetration
- High Product Consistency
- Fast Mould Clamping Design



Reliable Components

- Imported Components
- PLC Touch-Screen Control Panel
- Stainless Steel Air Storage Tanks
- Japanese & German Valves



Optional Components

- Smart Preform Feeding Device
- Automatic Bottle Ejection Device
- Compatible With Bottle Conveyor
- Automatic Handle Insertion Device



Technical Support

- In-house Training For Operators
- Comprehensive Machine Manual
- Bottle & Preform Design Suggestion
- Project Consultation & Operation Set-up
- Professional Preform/Mould Quality Control
- On-Time After-sales Services & Technical Support



MP Series

Specifications

Model	STANDARD	STANDARD-II	STANDARD-IV	MEDIUM	MEDIUM-II	LARGE	LARGE-II	EX-WIDE
PRODUCT & CAPACITY								
Max. Volume of Product (L)	0.8 ~ 1.5	≤ 1	≤ 1	1.5 ~ 2.5	≤ 1.5	2.5 ~ 5	1.5 ~ 5	5 ~ 10
Max. Body Diameter of Product (MM)	Φ90	Φ80	Φ80	Φ130	Φ90	Φ170	Φ170	Φ250
Neck Diameter of Product (MM)	Φ20 ~ Φ45	Φ20 ~ Φ45	Φ20 ~ Φ45	Φ25 ~ Φ45	Φ20 ~ Φ45	Φ30 ~ Φ45	Φ30 ~ Φ45	Φ45 ~ Φ50
Max. Height of Product (MM)	270	230	250	270	280	330	330	380
Max. Height of Preform (MM)	180	180	180	180	180	180	180	220
Wall Thickness of Preform (MM)	1 ~ 4	1 ~ 4	1 ~ 3	1 ~ 4	1 ~ 4	1 ~ 4	1 ~ 4	1 ~ 4

HEATING ZONE								
Arrangement of Infra-Red Tubes (PCSxZONES)	8 x 5	8 x 6	8 x 9	8 x 6	8 x 7	8 x 7	8 x 3 x 2	10 x 7
Average Power Consumption (KW) *	6~12	9~15	16~18	9~15	9~15	9~15	15~20	15~20
Nominal Capacity (KW)	21	25	37	25	29	29	25	36
No. of Preform Holder (PCS)	42	58	80	58	52	58	122	58

CLAMPING UNIT								
Clamping Stroke (MM)	130	130	130	180	150	230	230	280
Standard Span Between Mould Cavities (MM)		101.6 ± 0.5	101.6 ± 0.5		127 ± 0.05		220 ± 0.05	
Standard Mould Cavity Width (MM)	120 ± 1	200 ± 1	420 ± 1	218 ± 1	220 ± 1	218 ± 1	440 ± 1	280 ± 1
Standard Mould Thickness (MM)	200 ± 0.1	200 ± 0.1	220 ± 0.1	260 ± 0.1	220 ± 0.1	260 ± 0.1	260 ± 0.1	300 ± 0.1
Theoretical Production Capacity (PET Bottle) (PCS/HR)	800 ~ 1,000	1,200 ~ 1,500	2,800 ~ 3,000	500 ~ 800	1,000 ~ 1,300	500 ~ 800	1,000 ~ 1,200	500 ~ 600
No. of Mould Cavity	1	2	4	1	2	1	2	1

SIZE & WEIGHT								
Blowing Machine Dimensions (LxWxH) (CM)	312 x 162 x 160	323 x 150 x 150	370 x 170 x 170	272 x 120 x 160	395 x 162 x 177	270 x 135 x 160	315 x 180 x 190	368 x 253 x 180
Preform Loader Dimensions (LxWxH) (CM)	281 x 168 x 215	281 x 168 x 215	281 x 168 x 215	281 x 168 x 215	281 x 168 x 215	281 x 168 x 215	281 x 168 x 215	281 x 168 x 215
Required Floor Space (LxWxH) (CM)	426 x 272 x 215	450 x 323 x 215	450 x 370 x 215	400 x 272 x 215	462 x 360 x 215	400 x 272 x 215	510 x 250 x 270	363 x 337 x 183
Blowing Machine Weight (T)	2	2.5	3.5	3	3	3	3.8	3.5

AIR SUPPLY REQUIREMENTS (TO BE PREPARED BY USERS)								
Working Air Pressure (MPa) / Low Pressure (MPa)	0.8 ~ 1.0	0.8 ~ 1.0	0.8 ~ 1.0	0.8 ~ 1.0	0.8 ~ 1.0	0.8 ~ 1.0	0.8 ~ 1.0	0.8 ~ 1.0
Blowing Air Pressure (MPa) / High Pressure (MPa)	3	3	3	3	3	3	3	2.5
Volume of Low Pressure Air Compressor (M ³ /MIN)	1	1	1.2	1	1	1.2	1.5	1.5
Volume of High Pressure Air Compressor (M ³ /MIN)	1.2	1.2	1.5	1.2	1.5	2.5	3	3.5

COOLING WATER SUPPLY REQUIREMENTS (TO BE PREPARED BY USERS)								
Cooling Temperature (°C)	9~12	9~12	9~12	9~12	9~12	9~12	9~12	9~12
Cooling Capacity (KCAL/HR)	14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,700
Volume of Cooling Water (L/MIN)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Pressure of Cooling Water (MPa)	0.15~0.4	0.15~0.4	0.15~0.4	0.15~0.4	0.15~0.4	0.15~0.4	0.15~0.4	0.15~0.4

V11-1105

Notes:

- Specifications are subjected to change without prior notice due to constant research and development.
 - For specific machine requirements, special order is required.
- * Average power consumption depends on resin grade & bottle/ jar wall thickness.

