



CLEAR PP BOTTLE IS NOW A CLEAR OPTION

PP BOTTLES

with

ULTRA HIGH CLARITY

by



Live Demonstration

Only At



Increasingly, leading players in the industry are looking to find better alternatives for PC bottles. This is driven by a number of considerations, including highly publicized concern over **BPA**. Yet very few of them are completely satisfied by the price and/or transparency of the options available in the market.

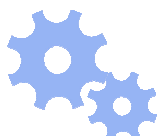
Visitors to the K2010 Fair will find that thanks to **WEI LI's extensive research and experience in the clarified PP bottle production process**, **WEI LI now has the right solution: an automatic two-stage reheat stretch blow moulding machine for the production of clarified PP bottles in one-cavity**. Machines for multi-cavity bottle production are also available.

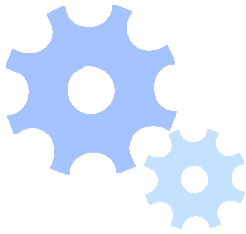
Since 1999, WEI LI has worked in close cooperation with Milliken to develop and improve the production of PP bottles using a two-stage reheat stretch blow moulding process. Throughout the past decade, both WEI LI and Milliken have supported many customers, as they **shifted from PC to clarified PP** for their bottle production, with minimal investment in machinery and moulds. Market response to date has been very promising.

Most recently, **Milliken** launched Millad® NX8000, a new clarifier that takes clarification of PP to the next level by delivering a 50% reduction in haze compared to the current industry standard, thus making highly transparent PP a reality.

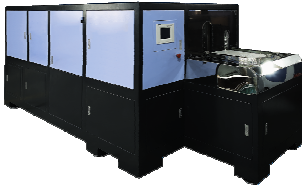


To demonstrate the wide range of applications for clarified PP bottles, WEI LI will show a comprehensive clarified PP bottle sample collection at their K 2010 booth # **B82 in Hall 13**.





CLEAR PP BOTTLE IS NOW A CLEAR OPTION



MP Series
Standard Model

We grow with the
World's Leading Partners :

FESTO

bürkert
Fluid Control Systems

Schneider
Electric

SIEMENS

BOSCH

airtec

SMC

MACHINE BENEFITS

WEI LI has successfully implemented its clarified PP bottle production technique on both its MP and MT series. Even though the processing window of PP bottles is very narrow, WEI LI's MP series is able to deliver a very precise and stable reheating and blowing performance to make high quality PP bottles. Thanks to its high performance, the MP can be used for the production of bottles in [PET](#), [PP](#), [PC](#), [PMMA](#), [PS](#), [MS](#), [SAN](#), [PLA](#), [PCTG](#), [PES](#), [PA](#) and many more materials.

Many manufacturers are reducing the costs of their blowing machines by using only iron air storage tanks. WEI LI is one of the few manufacturers who insist on investing and providing [Stainless Steel Air Storage Tanks](#) in their machines - one for high pressure and one for low pressure. These tanks help to ensure that the air entering into their German pneumatic components (e.g. [FESTO](#), [BURKERT](#), [NORGREN](#), [SCHNEIDER & SIEMENS](#)) is free of water and rust.

While most bottle manufacturers cannot solve the issue of visible parting/clamping lines on their bottles, WEI LI is able to avoid this problem by introducing [Mechanical Locking Design](#) and [High-Pressure Back Up Design](#) to its machines.

Where most manufacturers focus only on the machine speed, WEI LI also facilitates the management of [Energy Efficiency](#) along with machine speed. In standard blowing machines, most of the preform heating zones are equipped with powerful ventilation fans to remove 40% of the heat. WEI LI machines speed up the preform heating process by making use of natural air flow in the heating zones thus making optimum use of the preform heating temperature. This design can help to effect long-term energy savings that can easily exceed the total cost of the machine.

LIVE DEMONSTRATION (1L PP SPORT BOTTLE)

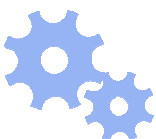
Demo Machine Model:

MP STANDARD-I for Wide-Mouth PP Jar Production

Hourly Capacity:

300~400pcs/hr

WEI LI's PP machines in 2, 4, 6 cavity are also available for higher productivity requirements.



MP SERIES

Fully/Semi Automatic Reheat Stretch Blow Moulding Machine

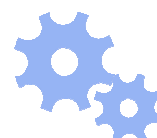
DEMO
MACHINE

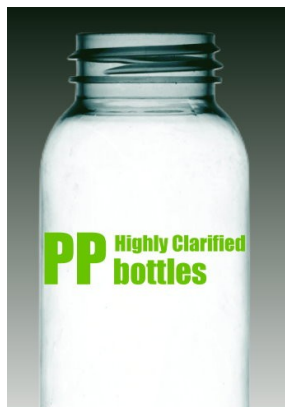
TECHNICAL SPECIFICATIONS	STANDARD MODEL FOR WIDE-MOUTH PP JAR PRODUCTION
PRODUCT & CAPACITY	
Max. Volume of Product (L)	1.5
Max. Body Diameter of Product (MM)	≤90
Neck Diameter of Product (MM)	25-67
Max. Height of Product (MM)	270
Max. Height of Preform (MM)	150
Wall Thickness of Preform (MM)	1~4
HEATING ZONE	
Arrangement of Infra-Red Tubes (PCSxZONES)	8*6
Average Power Consumption (KW)*	12~14
Nominal Capacity (KW)	25
No. of Preform Holder (PCS)	48
CLAMPING UNIT	
Clamping Stroke (MM)	150
Standard Mould Cavity Width (MM)	120±1
Standard Mould Thickness (MM)	200±1
Theoretical Production Capacity (PP Bottle) (PCS/HR)	300~400 (Models up to 2,000pcs are available)
No. of Mould Cavity	1
SIZE & WEIGHT	
Blowing Machine Dimensions (L×W×H) (MM)	3380*1620*1670
Required Floor Space (L×W×H) (MM)	3380*1620*1670
Blowing Machine Weight (T)	2.5
AIR SUPPLY REQUIREMENTS (TO BE PREPARED BY USERS)	
Working Air Pressure (MPA) / Low Pressure (MPA)	0.8~1
Blowing Air Pressure (MPA) / High Pressure (MPA)	3
Volume of Low Pressure Air Compressor (M ³ /MIN)	1
Volume of High Pressure Air Compressor (M ³ /MIN)	1.2

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.





ADVANTAGES OF PP BOTTLE

PP is a good alternative to replace PC as it can withstand high temperatures and to date no harmful components such as Bispheno A (BPA) have been identified. Moreover, the cost of PP is lower than other alternative plastics.

PP is also commonly used for products which have hot-filled and squeezable requirements.



MACHINE HIGHLIGHTS

In the past 15 years, WEI LI has been serving customers who produce bottles for the world's biggest international brands, including **NESTLE, TUPPERWARE, DISNEYLAND** and others.

In addition to cost effectiveness, WEI LI also delivers a number of performance advantages. These include:

- ◇ reliability (i.e. the % of rejection and down time);
- ◇ low energy consumption;
- ◇ availability of spare parts;
- ◇ experience in bottle production and design;
- ◇ commitment to the bottle manufacturers;
- ◇ experience in preform design, etc.



Some of our valuable clients:



WEI LI IN PROFILE

WEI LI has more than 15 years experience in the development of PET/PP reheat stretch blow moulding technology, through the manufacture of WEI LI brand stretch blow moulding machines for PLA, PET, PP, PC, PMMA, PS, and SAN bottles with volume ranges from 15ml to 20L. Apart from standard machines for PET bottles, the company's range includes specialized machines for PET, PP, PC, PMMA, PS, MS, SAN, PLA, PCTG, PES, PA and many other materials. With production facilities in Foshan, China and a marketing office in Hong Kong, WEI LI maintains an effective market presence across the world.

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K2010

Driven by innovation and enthusiasm for the plastic packaging industry, WEI LI stands out by their high PP bottle quality. To find out more about the company's latest machine and product developments, please visit WEI LI at their K 2010 booth # **B82 in Hall 13.**

