

Newsletter

May 2011

“All Clear Is Right Here”

High-clarified PP Sports bottle Live Demonstration by
2-Stage Reheat Stretch Blow Moulding Machine Manufacturer
Wei Li Plastics on 17-20th May 2011
in Hall 6.1Q21 only during Chinaplas



PP (BPA-Free)
Sports Bottle*

* Also for PET, RPET, PC, PMMA, AS, PS, MS, SAN, PLA, PA, PCTG, PES, PPSU, TRITAN and many more materials.

What are the common objectives of most industry leaders in the Chinaplas 2011? Looking for

- A reliable partner?
- A high performance machine?
- A project consultant?
- A new application for their products?
- A cost effective solution?
- A manufacturer with technology break-through?

Thanks to **WEI LI's** extensive research and experience in **reheat stretch blow moulding process**, there is not only one option in this year's exhibition but **all clear solutions are right here** at **Booth Q21** in **Hall 6.1** where **WEI LI** demonstrates lively their latest **Automatic 2-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 for different product requirements.



PP Baby Feeding Bottle



PET Edible Oil bottle



Wide Mouth PP Jar



Extralarge PET Jar

While most leading players in the industry are looking for **alternatives for PC bottles** because of the **ban on BPA** in plastic containers for baby products in Europe starting from June 2011, **WEI LI** already acted as a pioneer to develop their machine for the production of **CLEAR PP bottles** early in 2001. Since then, PP bottles have been no longer milky but with high clarity.

WEI LI isn't satisfied with their success, it has been working hand in hand with the **Milliken Chemical** to develop and improve the PP bottles production by adopting **two-stage reheat stretch blow moulding process**. Throughout the past decade, both **WEI LI** and Milliken have supported many customers to shift from PC to clarified PP for their bottle production, with minimal investment in machinery and moulds. Market response to date has been very promising.

CLARITY COMES TO REALITY

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



MACHINE FEATURES



SIMPLIER BUT NO FAILURE

WEI LI has successfully applied its clarified PP bottle production technique on both its MP and AP 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 series can be used for the production of bottles in PET, RPET, PP, PC, PMMA, AS, PS, MS, SAN, PLA, PA, PCTG, PES, PPSU, TRITAN and many more materials.

QUALITY GEAR, MAKES TRULY CLEAR

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

THE WINNER & RUNNERS

While most bottle manufacturers cannot solve the problem 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 Platen Design** to its machines.

CLEAR, YET THE ENERGY SAVIOUR

Where most manufacturers focus only on 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 up to 40% of the heat. **WEI LI** machines make use of natural air flow in the heating zones thus making optimum use of the preform heating temperature. This design can help to generate long-term energy savings that can easily exceed the initial machine cost.



DEMONSTRATON MACHINE - MP Series

Fully/Semi Automatic Reheat Stretch Blow Moulding Machine

SPECIFICATIONS

TECHNICAL SPECIFICATIONS	MEDIUM MODEL FOR WIDE-MOUTH PP JAR PRODUCTION
PRODUCT & CAPACITY	
Max. Volume of Product (L)	2.5
Max. Body Diameter of Product (MM)	130
Neck Diameter of Product (MM)	25-67
Max. Height of Product (MM)	270
Max. Height of Preform (MM)	180
Wall Thickness of Preform (MM)	1~4
HEATING ZONE	
Arrangement of Infra-Red Tubes (PCSxZONES)	8*7
Average Power Consumption (KW)*	12~14
Nominal Capacity (KW)	29
No. of Preform Holder (PCS)	58
CLAMPING UNIT	
Clamping Stroke (MM)	180
Standard Mould Cavity Width (MM)	218±1
Standard Mould Thickness (MM)	260±1
Theoretical Production Capacity (PP Bottle) (PCS/HR)	300~500 (Models up to 2,000pcs are available)
No. of Mould Cavity	1
SIZE & WEIGHT	
Blowing Machine Dimensions (L×W×H) (CM)	315*135*165
Required Floor Space (L×W×H) (CM)	400*272*215
Blowing Machine Weight (T)	3
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 (M³/MIN)	1
Volume of High Pressure Air Compressor (M³/MIN)	1.2
COOLING WATER SUPPLY REQUIREMENTS (TO BE PREPARED BY USERS)	
Cooling Temperature (°C)	5~20
Cooling Capacity (KCAL/HR)	12,900
Volume of Cooling Water (L/MIN)	65
Pressure of Cooling Water (MPa)	0.15



CLEAR OPTIONS FOR BRAND OWNERS

Instead of making aggressive sales and promotion, **WEI LI** invests its time and effort in product development and all-round customer service. Quality and reputation are proved by word of mouth and evidence which can be easily found in its booth. Various applications of bottle & jar including **PP baby feeding bottle**, **sport bottle**, **houseware**, **wide mouth jar**, **automatic handle inserted bottle** and **large volume bottle** demonstrate its experience and strength in reheat stretch blow moulding process.

GET CLOSER, BE WEI LI'S PARTNER

Visitors become partners! This can be commonly seen in **WEI LI**'s booth as sharing profits and laughter is **WEI LI** family's philosophy. **WEI LI** values every representative as its partner. Over 60 representatives of **WEI LI** worldwide nourish enthusiasm in their hearts. Enthusiasm for their professionals, for the customers they serve, and the projects they are involved.



WHERE THE CLEAR SOLUTION FOR SUPERIOR

WEI LI has more than 16 years experience in developing PET/PP reheat stretch blow moulding technology. **WEI LI**' stretch blow moulding machines are suitable for **PET, RPET, PP, PC, PMMA, AS, PS, MAS, SAN, PLA, PA, PCTG, PES, PSU, TRITAN**, 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.



More than 60 partners worldwide!

✧ Algeria	✧ Indonesia	✧ Philippines
✧ American Samoa	✧ Iran	✧ Poland
✧ Angola	✧ Israel	✧ Portugal
✧ Australia	✧ Italy	✧ Russia
✧ Bangladesh	✧ Japan	✧ Saipan
✧ Belgium	✧ Kenya	✧ Saudi Arabia
✧ Benin	✧ Kiribati	✧ Singapore
✧ Brazil	✧ Korea	✧ South Africa
✧ Cameroon	✧ Lebanon	✧ Spain
✧ Colombia	✧ Liberia	✧ Sri Lanka
✧ Ecuador	✧ Malawi	✧ Syria
✧ Egypt	✧ Malaysia	✧ Taiwan
✧ El Salvador	✧ Mauritius	✧ Thailand
✧ Ethiopia	✧ Mexico	✧ Tunisia
✧ France	✧ Morocco	✧ Turkey
✧ Germany	✧ Myanmar	✧ U.K
✧ Ghana	✧ Nigeria	✧ U.A.E
✧ Greece	✧ Pakistan	✧ U.S.A.
✧ Guatemala	✧ PNG	✧ Vietnam
✧ Hong Kong	✧ Peru	✧ Zambia
✧ India		

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