

Newsletter

WEI LI
PLASTICS MACHINERY (HK) LIMITED
HONG KONG

Your Reliable Reheat Stretch Blow Moulding Partner

Issue:
April 2012

What will **WEI LI** be showcasing in Chinaplas 2012?

The Clear Way to Success

Be The Market Leader

Double Cavity Double Quality

Machine Specifications

New Vision and Mission

Further Steps



Themed with "ALL CLEAR IS RIGHT HERE", WEI LI gained a great feedback in the Chinplas 2011.

What will WEI LI be showcasing **Live Demo at Hall E7 B61** in the Chinaplas 2012?

Chinaplas® 2012
国际橡塑展

While 'BPA' is no longer new to bottle suppliers but a problem to be solved, many of them start looking for alternatives to replace bottles traditionally made from PC. **PP** appears to be the most **economical option** among many plastic materials because of its **high heat resistance & excellent moisture barrier**! **PP** products are also **BPA-free**, able to be put in microwave oven & bottle sanitizers! Now, it is even appealing to the **GREEN** market!

Traditionally, many industry players believe that **PP** is never like PC which has such high clarity. Even though many stretch blow moulding machine manufacturers have struggled to increase the clarity, production stability and output for **PP** bottles, few of them can make a good balance among all these requirements.

The Clear Way to Success

WEI LI noticed the unique properties of **PP** and forecasted its increasing popularity early in **1990s**! They stepped ahead and started developing their machines for the production of **high clarity PP bottles**.

WEI LI has worked in close with **Milliken Chemical** since 1999 to develop and improve the **PP** bottle production using **2-stage reheat stretch blow moulding process**. Thanks to their extensive research and experience, **PP** bottles have been no longer milky but with high clarity! **WEI LI** has become one of the few manufacturers who not only successfully makes **stable & clear PP bottles** in their machine series, but they also provide a **know-how & turnkey solution** to their customers!



Milliken Chemical, close partner with WEI LI, working hand-in-hand in improving clarity of PP bottles in Reheat Stretch Stretch Blow Moulding Process.

Be The Market Leader

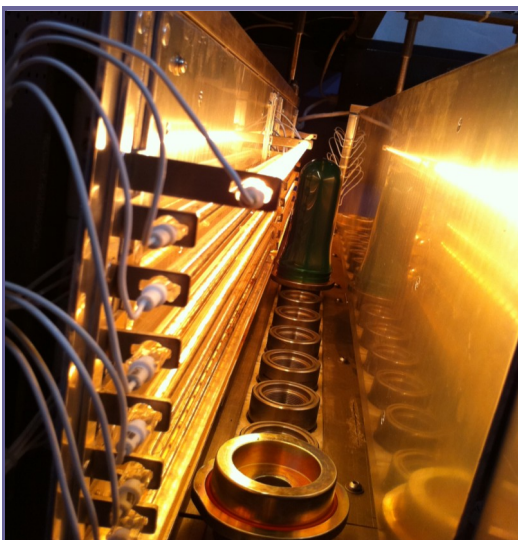
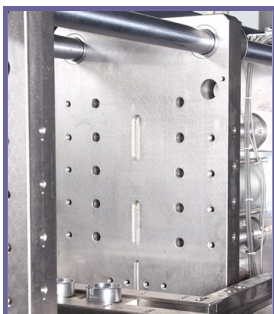
Throughout the past decades, both **WEI LI** and **Milliken** have supported many customers to **shift from PC to clarified PP** for their bottle production with **minimal investment** in machinery and moulds. Their customers' PP products have become the leading trend and icon for many followers in the market!



PP bottles are now no more milky but look like PC bottles with BPA-free and in lower production cost.

Double Cavity Double Quality

To response to the increasing market demand, **WEI LI** has not only focused on the machine speed but also on **energy efficiency**. They have recently developed a simplified and economical machine model for **wide mouth PP bottle up to 1L** in 2-cavity production.



With doubled cavity, productivity is greatly increased for producing clarified PP sports bottle in WEI LI's RSBM machines.

The machine is designed for easy operation and maintenance. Although the cavity number is doubled, the **stability** of the machine and the **clarity** of PP bottles produced are retained. The core technology and advantages of **WEI LI** machines are also remained, such as:

1. Flexibility

The machine is possible for production of bottles in **PET, PP, RPET, PC, PMMA, AS, PS, MS, SAN, PLA, PA, PCTG, PES, PPSU** and many more materials.

2. Quality Components

Stainless Steel Air Storage Tanks are installed to ensure air entering their German & Japanese pneumatic components (e.g. **FESTO, BURKERT, NORGREN, SCHNEIDER & SIEMENS**) is free of water and rust!

3. Special Mould Clamping Design

WEI LI introduces the **Mechanical Locking Design and High Pressure Back Up Platen Design** to their machines. The parting line on the bottles produced from **WEI LI's** machines are almost invisible!

4. Energy Saving

WEI LI machines make use of **natural air flow** in the heating zones to minimize the energy consumption. This design dramatically reduces client's energy cost in long term.

Demonstration Machine - MP Series

Fully/Semi Automatic Reheat Stretch Blow Moulding Machine for PP/PET Bottle

bürkert
FLUID CONTROL SYSTEMS

FESTO

BOSCH

airtec

SMC

Schneider Electric

SIEMENS

Telemecanique

Fuji Electric

TECHNICAL SPECIFICATIONS	MEDIUM MODEL – WIDE MOUTH PP JAR PRODUCTION
PRODUCT & CAPACITY	
MAX. VOLUME OF PRODUCT (L)	1.0
MAX. BODY DIAMETER OF PRODUCT (MM)	90
NECK DIAMETER OF PRODUCT (MM)	25-67
MAX. HEIGHT OF PRODUCT (MM)	250
MAX. HEIGHT OF PREFORM (MM)	150
WALL THICKNESS OF PREFORM (MM)	1~4
HEATING ZONE	
ARRANGEMENT OF INFRA-RED TUBES (PCS x ZONES)	8*10
AVERAGE POWER CONSUMPTION (KW)	26~28
NOMINAL CAPACITY (KW)	40
NO. OF PREFORM HOLDER (PCS)	68
CLAMPING UNIT	
CLAMPING STROKE (MM)	150
STANDARD SPAN BETWEEN MOULD CAVITIES (MM)	127±1
STANDARD MOULD THICKNESS (MM)	220±1
THEORETICAL PRODUCTION CAPACITY (PP BOTTLE) (PCS/HR)	700~800 (Models up to 2,000pcs are also available)
NO. OF MOULD CAVITY	2
SIZE & WEIGHT	
BLOWING MACHINE DIMENSIONS (L x W x H) (CM)	412*210*180
REQUIRED FLOOR SPACE (L x W x H) (CM)	412*210*180
BLOWING MACHINE WEIGHT (T)	4
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
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



New Vision & Mission

Starting from PP bottle productions, **WEI LI** works closely with many industrial partners to promote **sustainable packaging** in the plastic industry. They started exploring the markets for sustainable packaging like **PP fridge bottle, sports bottle, housewares**, etc., those reusable & recyclable plastic products! With the help of **WEI LI's** machines, customers tend to increase their product values like innovative design, functional features, and **green-concept** for their bottles instead of competing with the low-end market. It allows them easier to partner with customers and help them to stay ahead in today's competitive market!

With over 17 years experience in **Reheat Stretch Blow Moulding machine** manufacturing, and over 60 representatives in different areas, **WEI LI** maintains an effective presence across the world.



Partners of WEI LI from over 60 countries

✧ 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		

Further Steps

Apart from the improvement on processing PP, **WEI LI** has developed the cost efficient solution for **Auto-Handle Inserting System** in **their machines**. Traditionally, plastic handles are inserted to the bottle after blowing, which makes the handle being pulled out easily.

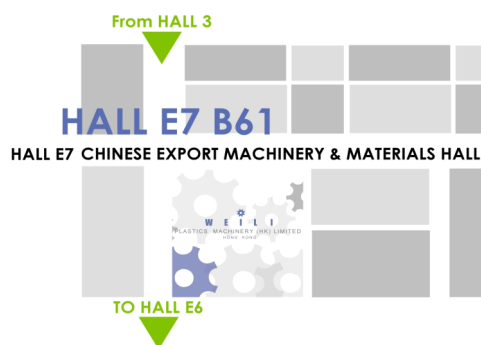
With the **Fully Automatic Handle Inserting System** in **WEI LI's** machine, handle unscrambling and insertion can be done automatically during bottle blowing! Efficiency is much increased while labor cost is greatly reduced! Equally important, plastic handles are attached more firmly to the bottle which increases consumer satisfactions.

WEI LI is now developing a machine specialized for **BIODEGRADABLE** plastic material. For newcomers who would like to enter the **GREEN** plastic market, they could visit **WEI LI's** booth at **E7B61** for more details!



Bottles with handle made in the Fully Automatic Handle Inserting system of WEI LI's RSBM machines.

Where can you find WEI LI in the Chinaplas 2012?



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