

PRESS RELEASE



FOR IMMEDIATE RELEASE

New technologies unveiled by Magplastic at drinkTec–PETpoint 2005

Vouvry, Switzerland, September 12th 2005. Swiss blow-moulding specialist Magplastic, present worldwide since 25 years with more than 600 machines unveiled new developments at the world's largest PET/ beverage Drinktec/PET Point exhibition, enabling new standards of efficiency and ease of operation in linear technology to be reached.

New technologies on show

Barrier PET containers: Magplastic will show a PET packaging solution with excellent barrier properties required by juices and milk based products, alcohol free beer, malt drinks. This new solution is based on easy-to-make monolayer PET bottle, eliminating the need for complex plasma-coating equipment and expensive multi-layer preforms.

Economical light weight PET bottle: Through technological advances on both its machines and process expertise, Magplastic enables its customers to lower bottle weights and achieve raw material savings while improving the mechanical performance of the bottle. As an example, in 1997 already Magplastic succeeded in finding a solution for a 1.5 liter bottle for still water with a weight of 27.5 gr and an impressive 69 kgs of top load

Neck ringless preform loading: Small PET containers are experiencing a growing demand worldwide for pharmaceutical, personal care, and food & beverage applications. With the increasing volumes, the competitiveness of two-stage technology becomes an important advantage in terms of higher productivity as well as of lower container weight, and the solution is Magplastic ringless neck technology. This development consists of a patented rotoconic™ loading system which can handle ringless neck preforms to give greater packaging and design freedom, more elegant bottle necks, and reduced material and operating costs. This development enables Magplastic standard SSB machines to blow bottles down to 40ml with only minor customization.

Neck orientation: Oriented caps command higher prices. For this reason, Magplastic has launched a new feature on its SSB-02 stretch blow-moulding machine that allows blowing containers with the neck threads always oriented in the same position in relationship to the container design. This is achieved with extreme precision using standard preforms without the need for costly positioning notches.

Preferential heating has been developed to produce containers that are not just of better quality, but also with a greater range of designs. Preferential heating balances the hot and cold axes for more difficult bottles, eliminating waste material. Extreme bottle designs can be blown using this technology on our SSB machines in order to maximise package performance and increase process flexibility while allowing for lower container cost.



About Magplastic Machinery SA

Magplastic began its activities in the early 1980s in Geneva, Switzerland, and has become an internationally recognized name in packaging production machinery. Since the first SSB machine was developed in June 1981, Magplastic has established a reputation for producing high-quality biaxial-oriented PET containers with outputs from 1,000 to 12,800 bph, and formats from 40ml to 5L. In 2002, Magplastic became a member of the Swiss SIH Group, incorporating several well-known companies - all of which are active in the automation and packaging industry. Magplastic has its headquarter and factory in Switzerland, its own local offices in USA and Latin America, and a second factory in Pune India. In all others countries Magplastic is represented by approved agents.

For more information, please contact

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Picture 1: barrier beer bottle in polyshield TM



Picture 2: light weight bottle



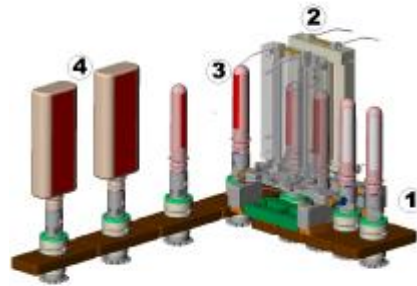
Picture 3: Neck ringless bottle for pharmaceutical applications



Picture 3: Neck ringless bottle for pharmaceutical applications

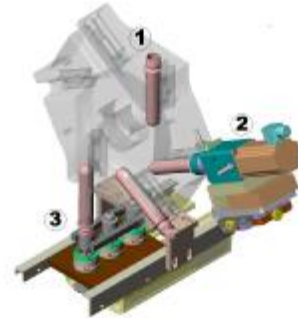


Picture 4 - 5 : Magplastic hipflask bottle with preferential heating



Preferential heating process:

- 1) The heated preform exits from the profiling oven,
- 2) It's orientated according to the thread with a precision of 0.36°
- 3) the preform are re-orientated by 90°
- 4) and finally blown



Neck orientation process

- 1) The preform are loaded on vacuum star wheel
- 2) they are stopped and only the 2opposed zones are under heat radiation