

PETplanet

insider

10.09.18

No. 09
2018

MAGAZINE FOR BOTTLERS AND BOTTLE-MAKERS
IN THE AMERICAS, ASIA, EUROPE AND ALL AROUND THE PLANET

PETplanet
is read in more than
140 countries



bottle making
Page 14

COMPRESSORS
Page 20

MARKET survey
Suppliers of
filling equipment &
filling inspection
Page 27

“The impossible, of course, may take a little longer!”

PET Technologies has recently released the last generation of its PET stretch blow moulder APF-Max on the market. Its output varies between 6,000-14,000 bph, whilst the bottle capacity is between 0.2 and 3.0l. There are eight modifications for producing water or CSD, dairy products or beer, juice or sauce, oil or vinegar, chemicals or cosmetics.

Quick change and flexibility

To transform 4-cavity modification into 8 cavities a 7,000 bph modification APF-Max 4 is available and this increases the output up to 14,000 bph. It is also possible to install extra mould cavities, several ovens on the heater to get an upgrade to the APF-Max 8. All the mould cavities are separate for easy installation and removal. PET Technologies states that 15 min are needed to change the blow- mould to produce a different PET bottle format. Two hours are required for the APF-Max changeover to a different preform neck standard which can be between 18 and 48 mm. The APF-Max is also designed for hot filling.

NIR heating system and low total installed power

The APF-Max blow moulder is equipped with a special short wave near infrared heating system (NIR). This is a fairly unusual method for PET blow moulding machines market,

but has evident benefits, according to PET Technologies. Preform heating is more efficient and fewer kilowatts are consumed. The heater itself is significantly shorter. Thus, the APF-Max design is more compact.

All-electric configuration

The automatic PET stretch blow moulder APF-Max has 6 servo drives to guarantee stable PET bottle manufacturing and high output. They are embedded in the mould closing unit, preform stretching, heater, preform transfer to the blowing part and bottle outfeed system. Automatic temperature regulation and pre-blow are controlled via a PLC form B&R.

New design and user-friendly interface

This is now the fourth generation of APF-Max blow moulders. At a superficial level, it is different from the PET Technologies product range. This new generation of blow

moulders boasts a number of features including a streamlined design, corporate electric cabinet and communications connected via the top of the machine. To change all 108 mandrels in the heater take 15 min. PET Technologies R&D developed the APF-Max blow moulder from scratch.

The first machines have been successfully installed at customers and are manufacturing PET bottles for water and dairy products.

www.pet-eu.com



DNC booster – turnkey all-in-one system

- Compact powerhouse with a footprint of only 2.35 m²
- Initial pressure up to 13 bar – final pressure up to 45 bar
- Plug and Play: ready for immediate operation
- IE3 motor for optimum performance and energy savings
- SIGMA CONTROL 2 controller: exceptional efficiency and network-capable (Industrie 4.0)

www.kaeser.com

KAESER
KOMPRESSOREN®



BrauBeviale 2018
Nuremberg, Germany, 13th - 15th of November

Visit us: Hall 4, Stand 441 from the 13th - 15th of November 2018 in Nuremberg, Germany