

Netstal to present a system for the production of petri dishes at Chinaplas

- Annual output of up to 16 million petri dishes
- Simple and cost-saving process thanks to the horizontal arrangement of the dishes in the mold
- Perfectly equipped for the clean room-compatible production of medical applications

Technologically sophisticated system for the production of petri dishes

At Chinaplas, Netstal will present an ELION 800-270 that produces 90mm polystyrene petri dishes in a cycle time of only 3.2 seconds. "KIS - Keep it Simple. These words perfectly describe the smallest Netstal system for the production of petri dishes," explains Jason Yang, Netstal's head of Sales and Service in China. Instead of an elaborate removal and assembly fixture with complicated folding mechanisms, a simple collection device for discharged parts is being used. In this device, lids and dishes are automatically aligned and brought together, which allows the operator to package and further process the fully assembled petri dishes. Both the mold and the collection device are provided by the Austrian company Mold&Matic. "Netstal is gaining ground in the Chinese medical technology sector: thanks to the all-electric ELION series, it is perfect for the manufacture of clean room components", said Yang. Blood collection tubes, petri dishes and also pipette tips place high demands on the technical production, and absolute precision is as essential as having faultless parts. "Thanks to the high reproducibility of the quality of work pieces over many years, a very low error rate and the excellent efficiency of our machines, we are able to fully meet the ever-increasing demand for high-precision, high-quality medical parts," Yang explains.

PET-LINE 5000 - Ideal for maximum output

The year 2015, which was very successful for the beverage industry, continues to generate an increasing demand. With the new PET-LINE 5000, which was designed for molds with 96 to 144 cavities, Netstal best meets the requirements in terms of the maximum output rates in the Asian PET market.

Jason Yang, Head of Sales and Service at Netstal in China, explained:

"Especially local companies, which are generally large bottling plants, are demanding very high output rates. With a manageable number of bottle variations and immense amounts of preforms, a preform mold with 144 cavities is worth it". Just like the smaller models, the new PET-LINE offers numerous first-rate developments in the areas of energy consumption, control technology and machine control. "Compared to the competition, the PET-LINE 5000 convinces with a saving of up to 20% on the power requirement. Furthermore, the lock-to-lock time, from unlocking the mold to preform removal and locking, has been reduced by up to half a second! For standard applications with cycle times of less than 10 seconds, this equates to an increased output performance of tens of thousands of preforms per day!", Yang added.



Caps and closures: the perfect addition to the PET business

The caps and closures sector is a well-suited addition to the PET business in China, especially in the beverage industry because the demand for custom caps and closures is on the rise. "Netstal machines are ideal for use in this sector owing to their precision and speed, combining maximum output at minimum unit cost with all the design and quality advantages of injection molding thanks to their new machine technology. With the consistently modular design of the ELION series and the numerous innovative versions, customers in China can carry out all closure applications at maximum energy efficiency and with top output guaranteed", explained Yang.

