

CONNECTING

COMPETENCE

ONE:18



Latest technologies and innovations

z-moulds® will be presented at this year's NPE2018: The Plastics Show in Orlando (Florida), taking place from May 07 - 11, 2018. It is the plastics industry's most influential event and the best opportunity to build connections, exchange ideas and explore the latest innovations and trends on the market. 2,000+ of the world's leading suppliers and equipment manufacturing companies showcasing their best new solutions - and z-moulds® is in the middle of that impressive event!

Efficiency, sustainability and less maintenance are the key aspects for being competitive in this segment. z-moulds® will present the latest technologies in the closure segment in the bottle zone. Competent expert discussions are going to make this event out of big international significance for z-moulds®. Professional processes from the

design development to the start-up of a high-performance production system show the high quality and inspiring partners are going to show their revolutionary z-slides® technology.

More efficiency, speed and weight advantages and therefore also less operation costs are some of the success factors, which distinguish the patented z-slides® high-tech system. If you want to see their moulds in production, do not hesitate to visit our partners at NPE. Together with them z-moulds® is going to present two moulds:

ENGEL is showing a 96-cavity mould and Sumitomo (SHI) Demag is presenting a 72-cavity mould both for a Cap 26mm 3-start water with our patented z-slides® technology.

www.z-moulds.com



Z-MOULDS: 96 cavity mould

GEFIT SPA

For over fifty years Gefit has been giving shape to its clients' expectations, creating custom made technical solutions for every single project.

Molds & Assembly Division designs and manufactures injection molds and highspeed assembly machines for production of closures and various plastic components for the food & beverage, cosmetics and medical industries.

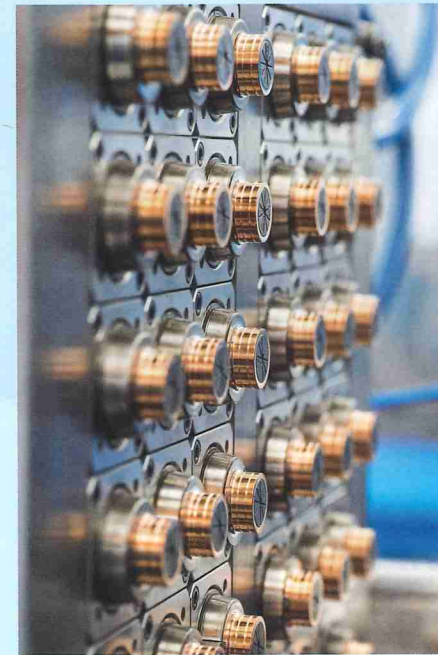
Today Gefit is the only worldwide company that combines the production of injection molds for thermoplastics and assembly lines with very high output and precision, thus becoming in many cases not only a supplier of equipment, but a real partner who cooperates with its clients also in the study, the prototyping and the development of the plastic components.

The company can count on the qualification and the experience of two different design offices.

One is dedicated to multicavities injection molds design, which is characterized by its innovative approach to projects and its capability to make detailed and thorough technical analysis.

Every new tool developed at Gefit goes through a moldflow analysis, a dynamic simulation and a Fmea analysis, which complete all study activities, aimed to provide the best technical solutions and optimize the production cycles.

From this point of view, Gefit latest solutions for the beverage industries are particularly interesting, as they refer to Sport Caps and flip top closures, also bi-color and with the use of valves.



The same analytical approach is adopted by the engineers of the assembly machines design office, where lines and cells are conceived and realized, able to achieve the highest production outputs required by the market and to assemble complex components, integrating many different technologies.

Gefit goal has always been to look at the future searching for more and more innovative and effective solutions, to improve its clients' production process as much as possible.

www.gefit.com



72 caps in 2 seconds

Sumitomo (SHI) Demag will be bringing 12 injection moulding machines to NPE 2018 in Orlando. These 12 diverse and challenging machine demos will range in tonnage from 30 to 500 tons and will also include the latest in auxiliary equipment from a variety of the top manufacturers.

One of these applications will be a complete production line for water caps, together with their partners. 72 water caps (26/22mm) will be produced at a cycle time of approximately 2.0s. The machine, an El-Exis SP, is a high-performance fast-cycling hybrid machine with a clamping force of 3,000kN. The exhibit demonstrates the capability and performance of a variety of partners with Z-Moulds, SISE, Eisbär, Intravis, NOVA Chemicals and Piovan.

Over almost twenty years, the high-speed El-Exis machine has evolved into the leading machine for the injection moulding of plastic packaging today. Sumitomo (SHI) Demag has updated it over several generations and continually increased its clamping force range. Today, current models of the El-Exis SP are available with clamping forces of 1,500 to 7,500 kN. Over 3,000 machines have already been installed at manufacturers of thin-wall packaging products, standard beverage caps and a broad variety of closures. The proven concept employed by the machine was optimized in terms of energy consumption and is equipped with an OPC/UA interface for communication conforming to the standards of Industry 4.0.

www.sumitomo-shi-demag.eu