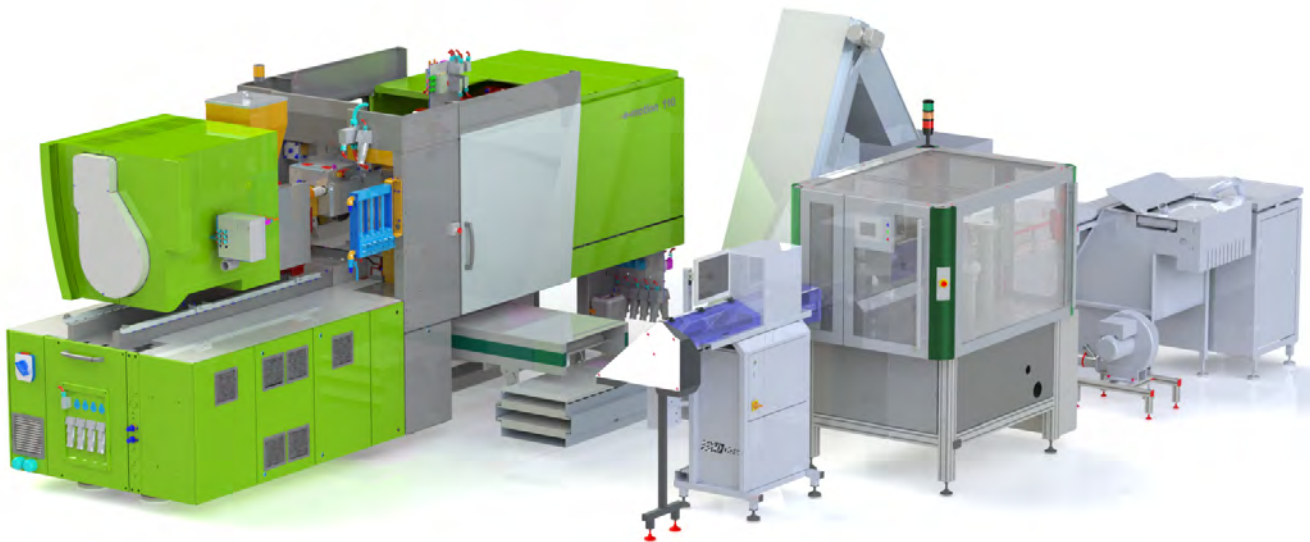


Produce better caps faster

TURNKEY CAP LINES



Your one-stop turnkey solution...

<p>ADVANTAGES</p> <ul style="list-style-type: none"> · 3 Partners – 1 Contact – System Supplier · Turnkey contracting possible · Closure design out of 1 hand · No moving parts in the mold · Perfect function guaranteed · Provide pilot mold samples prior to commercial mold · Long lifetime · 1 year warranty · After Sales service · Light weight reduction of the cap · Austrian and Swiss Quality 	<p>APPLICATIONS</p> <p>Soft beverage closures</p> <ul style="list-style-type: none"> · Carbonated soft drinks · Hot-fill products · Aseptic filling <p>Speciality closures</p> <ul style="list-style-type: none"> · Edible oil · Carton bricks · ROPP · Agro chemical · Medical · Liquor caps / whiskey application · Multi-part closures · Sports cap
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OUTPUT

CLOSURE DESIGN	Annual Capacity* (million closures per year)					
	24 Cavities	32 Cavities	48 Cavities	64 Cavities	72 Cavities	96 Cavities
26/22 (0.9g)	335	447	671	895	1'007	1'343
29/25 (1.15g)	335	447	671	895	1'007	1'343
30/25 (1.7g)	223	298	447	597	671	895
Alaska (1.5g)	223	298	447	597	671	895
1881 (1.8g)	223	298	447	597	671	895
1810 (2.3g)	167	223	335	447	503	671
38 mm (2.5g)	149	199	298	398	447	597

* Annual Capacity Calculation based on a realistic 95% efficiency.

LINE COMPONENTS

Injection machine 110-420 ton	ENGEL
Injection mold 24-96 cavities incl. hot runner controller	HTW
Dehumidifier by Blue Air	HTW
Chiller by Blue Air	HTW
Under mold conveyor by IMD	PackSys Global
Cap cooling conveyor by IMD	PackSys Global
Cap feeding system	PackSys Global
Infeed jet stream conveyor	PackSys Global
MSM slitting/ folding machine	PackSys Global

- OPTIONS**
- The flexible software modules developed – T.I.G.
 - Inspection system by IMD – PackSys Global



...provided by leading companies

HTW – Injection molds

Our mold construction is specialized in the production of high performance injection molds for closures. 1-cavity pilot molds as well as 96-cavity series molds can be produced and delivered in a very short time period. The tools used for the production of soft drink caps, sport bottle caps, oil caps, flip-top caps, shampoo caps, cosmetic caps and screw caps of all kinds are manufactured on-site by our highly educated toolmakers on state-of-the-art machinery.

Our range of services include:

- Construction of molds and tool designs
- Development and design of plastic parts
- Manufacturing of individual component parts as well as realization of serial molds

PackSys Global – Slitting/folding machine

Slitting of the tamper evident bands on closures is a lower cost alternative to forming the bridges in the molding tool. Besides the advantages of cost, speed, repeatability and reduced maintenance costs, it allows the design of more sophisticated tamper evident bands since the material does not need to be pressed through the narrow bridges to form the rest of the band. Close control of torque required to open closures results in higher quality product delivery. Our slitting/folding machines combine these advantages with Swiss quality and innovation to conduct folding and slitting operations with the highest level precision for optimum results.

ENGEL – Injection machine

Whether in the beverage, cosmetics, cleaning or food industry: ENGEL packaging offers flexible innovative machine concepts that help you to achieve maximum output of efficiently and cleanly produced standard caps & closures or sophisticated custom solutions.

Blue Air – Dry Mold System DMS

The dry mold system DMS guarantees condensation free production with the same production conditions throughout the year.

The system works without the need of chilled water. It is equipped with state-of-the-art PWM refrigeration technology that guarantees:

- the lowest power consumption possible on the market
- higher machine efficiency through shorter cooling time
- 1 °C increase in water temperature = 2 % loss in production

T.I.G. – Manufacturing Execution System

The flexible software modules developed by T.I.G. guarantee permanent transparency in complex production processes. The application of the modules spans from quality management, over production planning, to production control.

The software produces detailed production analyses, thereby reducing costs while giving its clients a competitive edge.



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