



# Engineering your competitive advantage

Your partner for the development and production of state-of-the-art components, consumables, sub-systems and assemblies for the food & beverage, personal care, household and appliances markets

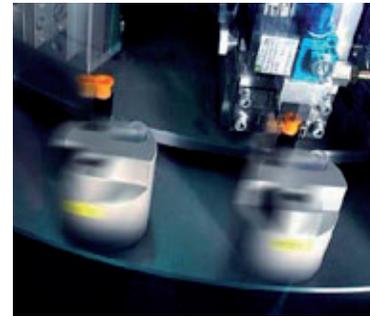
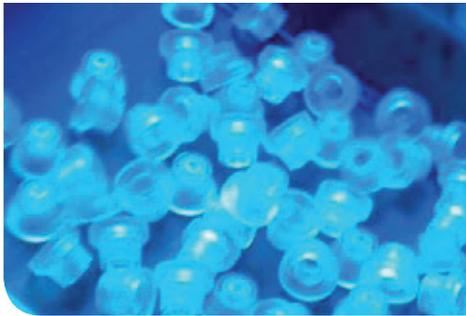


Food Tech



## Helvoet

Since its foundation in 1939, Helvoet has acquired a great deal of expertise in the development and production of single and assembled plastics and rubber products. With about 650 employees and locations in the Netherlands, Belgium, India and the United States we provide global support to many leading customers. Innovative product development, specific knowledge of applications and continuous improvement of our sophisticated production technologies are important capabilities of Helvoet. We give our customers a lead in their market segment, giving definite meaning to our motto 'Engineering your competitive advantage'.



[www.helvoet.com](http://www.helvoet.com)  
[info.foodtech@helvoet.com](mailto:info.foodtech@helvoet.com)



ISO 9001  
ISO 13485  
ISO 14001  
OHSAS 18001



### **Modular pumps**

A family of specific pumps has been developed to fit into a wide range of steam irons. Tolerance control on every component ensures 100% performance. In-house made rubber and thermoplastic parts are fed into our fully automated assembly lines.



### **Liquid Silicone Rubber component**

Helvoet has co-developed a clean, high precision functional component for dosing a variety of creams for skin care. Valve, seal and dosing bellow are combined to generate the maximum user friendliness to apply the medium. These components are made of LSR in high cavity moulds in our audited facility. Making this component a crucial part of the primary packaging concept of a leading cosmetics company.

## **Delivering the highest quality**

Our partnership with many of our customers goes back many years. Together, we work on ongoing projects generally involving the mass production and assembly of components into a complete product. Helvoet specializes in complex injection moulding and assembly processes at very high speeds and with integrated 100% quality control. Our products require high demands in terms of geometry, thin-walled and precision tolerances. Therefore, we use modern techniques such as inline sensors and cameras, dimensional checks.

Liquid silicone rubber (LSR) is increasingly used for manufacturing complex products via a fully automated process. Liquid Injection Moulding allows for producing flashless products in high volumes whilst retaining high reproducibility by using high-end moulding techniques. The compounds applied for rubber products are developed and manufactured in-house. This enables an optimal balance between properties and process ability of rubber blends.

Helvoet has specially developed injection moulding machines and is working closely with high tech tool makers. Production takes place in a clean environment. Once produced, our customer receives a complete product which can immediately be used for further processing. Our production methods are sustainable, with attention for the environment and respect for people. This has resulted in ISO 14001 and OHSAS 18001 certification.





### Coffee doser

In almost every home, office, bar and restaurant we find machines and appliances that need to dose and transport substances. Helvoet develops and manufactures dosing systems for domestic appliances, personal care, food & beverage and medical applications.

## Global leader in Food Tech

Helvoet has a vast track record in the development, production and supply of high tech components, consumables, sub-systems and assemblies for the food & beverage, personal care, household and appliances industries. With a strong portfolio of products, Helvoet has proven to be a global leader in these industries. Successful achievements include Beverage dosing systems, Coffee dispensing assemblies, innovative Pumps & Parts for personal care and many more. Today's demanding marketplace requires innovative and reliable products, that meet the highest quality standards. Our expertise in the development and production of complex rubber and plastics parts enables us to produce precise, custom engineered products that fit flawlessly in our customer's applications. Narrowly tolerated and often in high volumes, our products meet the highest demands for reliability, safety and hygiene.



### Heineken Draughtkeg

Helvoet manufactures, assembles and packages the six components for the 5-litre home draught system which is sold all over the world. Zero-Defect production and Just-in-Time deliveries are central to this manufacturing process.

## Precision components serving your products

Helvoet is a function integrator and combines its knowledge on a range of materials (thermosets, rubber, thermoplasts, liquid silicone rubbers), its knowledge on replacement of metal by plastic materials and its knowledge on combining materials (e.g. soft to hard bonding) to design unique and outstanding products. We manufacture these into functional units. Our quality system conforms to the highest standards. Our facilities have been fully accredited and we adopt Good Manufacturing Practices methodologies. We produce in clean areas that comply to the requirements of the Food and Beverage industries. Involvement of Helvoet's expertise and knowledge in an early stage of the new product design process results in a product which is manufacturable in an economical way, with reduced time-to-market. Once in production, Helvoet supplies the product with the highest reliability in terms of quality, reproducibility and delivery schedule.



“CHALLENGE OUR KNOWLEDGE AND TRACK RECORD AND WE WILL ENGINEER AND MANUFACTURE YOUR COMPETITIVE EDGE”



## Pump dosing systems: the heart of your product

Precision dosing systems are found in many applications for dosing of fluids and even more solid substances. In almost every home, office, gas station, bar and restaurant we find machines and appliances that need to dose and transport substances. Helvoet develops and manufactures (pump) dosing systems for food & beverage, domestic appliances, personal care and medical applications.

Helvoet's knowledge on unique combinations of materials, soft to hard (bonding), metal replacement, 2-components (2K or K+K) guarantee perfect integration and functionality in our customer's applications. We also incorporate IML: in mould labelling technology. We work with state of the art design modules, quality systems and measuring devices in order to meet the highest requirements.

Fully dedicated or flexible assembly lines are developed by Helvoet in co-development with the customer to meet the product and market requirements. Helvoet's in-house mold-design and maintenance capabilities ensure narrow tolerance and precision moulding. Our manufacturing capabilities, including GMP and lean, are "tuned" to run dedicated production lines, which we feed via 'supermarket' principle. This ensures 24/7 performance!

Our facilities and resources meet the demanding standards of today's customers, providing sustaining engineering, reliable performance in safe and clean environments. Through the years global players, multi-billion companies, have challenged our expertise in this field and appreciate our innovative track record, supportive to the quality standards of their own products with impeccable components.



### Disposable Beer Tube II

Helvoet prefers early involvement in the product development process. By making our manufacturing and material knowledge available at an early stage in the process, the project time is shortened and project costs are minimized. An example of this approach is the development of the second generation Disposable Beer Tube II with improved liquid flow.



### Dosing membrane

Valve, seal and dosing bellow are combined to design a simple but effective product with optimum user friendliness. These components are made of LSR in high cavity moulds in our audited facility.