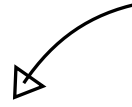




Precision Engineering

Engineering
GREAT Solutions



Food & Beverage

Complete range of innovative solutions for the food processing & packaging industry

 IMI NORGREN

 IMI BUSCHJOST

 IMI FAS

 IMI HERION

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04 Comprehensive solutions for the world's food & beverage industry



Engineering GREAT solutions through people, products, innovation and service

IMI Precision Engineering is a world-leader in fluid and motion control. Building close, collaborative relationships with our customers, we gain a deep understanding of their engineering needs and then mobilise our resources and expertise to deliver distinctive products and solutions.

Wherever precision, speed and engineering reliability are essential, our global footprint, problem-solving capability and portfolio of high performance products enables us to deliver GREAT solutions which help customers tackle the world's most demanding engineering challenges.

> **Reliability**

We deliver and support our high quality products through our global service network.

> **High performance products**

Calling on a world-class portfolio of fluid and motion control products including IMI Norgren, IMI FAS, IMI Buschjost, IMI Maxseal and IMI Herion. We can supply these singly, or combined in powerful customised solutions to improve performance and productivity.

> **Partnership & Problem Solving**

We get closer to our customers to understand their exact challenges.

Specialist knowledge, unique solutions, improved performance

Reliability through expertise and experience

IMI Precision Engineering has dedicated over 25 years to meeting the unique needs of the global food and beverage industry, delivering pioneering products and bespoke solutions.

Close collaboration with customers, and a search for innovation that offers real Engineering Advantage, has resulted in millions of hours of reliable service from our PET bottling, ink jet, processing & packaging, dispense and food service equipment.

From handling 40 bar air for PET bottle blowing, to aggressive solvents in ink jet printing; from wash-down chemicals to lime scale-free coffee machines, we have an impressive track record of helping the world's largest food companies improve efficiency, save energy and optimise performance.

Setting the standard

Whether it's FDA-compliant materials or solutions for ATEX environments, our intimate knowledge of supplying components and solutions for food and beverage applications helps ensure your system meets relevant regional and international standards, and sector-specific codes of practice.

For specifics related to your particular application or product, please consult our sector technical department.highest in the industry.



Comprehensive solutions for the world's food & beverage industry



Process Automation

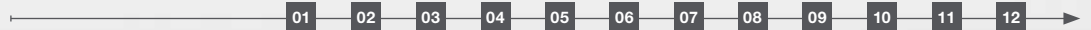
Through our global design centres, and backed by local technical support, IMI Precision Engineering uses the latest materials and technologies to offer a range of standard and hygienic solutions. These include flexible, compact valve terminals with Devicenet, Profibus and Ethernet protocols for all your process control needs; cost effective nitrogen separation solutions that consume less air; and a range of corrosion-resistant stainless steel products.

Our high flow angle seat valves handle steam and aggressive fluids; high quality diaphragm valves are resistant to corrosion; and ball valves are easy to install, use and maintain. Proportional control offers an accurate and stable response, with lower air consumption.

We provide a comprehensive selection of pressure switches & sensors, and breathing air filtration solutions mean high quality breathing air. Air preparation equipment is available in modular units, and CO₂ purification solutions deliver a continuous supply of clean, dry and CO₂ free (<1 ppm) gas.



Process automation



01 Valve terminals



02 Angle seat valves



03 Diaphragm valves



04 Ball valves



05 Proportional control

Rotary stretch blow moulding

IMI Precision Engineering is a complete 'air' solution supplier to the PET industry. Our expertise covers 7 bar standard pneumatics to 20 bar P1 and 40 bar P2 solutions, including 11 functions on the blowing wheel for valving, as well as 24 functions for air recovery and management. Our range offers 40 bar blowing blocks, cooling valves, air recovery products & solutions, pneumatic stretch actuators, and capping cylinders for hot & cold fill processes.

Filling

Naturally, food safety is a vital consideration. To avoid the possibility of contamination, we ensure that all system components directly or indirectly in contact with the main food/drink product – such as cylinders for filling valves, for example – are engineered from corrosion resistant, non-toxic and non-absorbent material.



Food / splash area



06 Stainless steel solutions



09 Pressure switches & sensors



12 Air Dryers (PSA & AMT)



07 Air preparation equipment



10 Nitrogen generation and CO₂ purification



13 40 bar blowing blocks



08 Breathing air filtration



11 Sterile air for food & beverage



14 Cooling valves



Labelling and coding

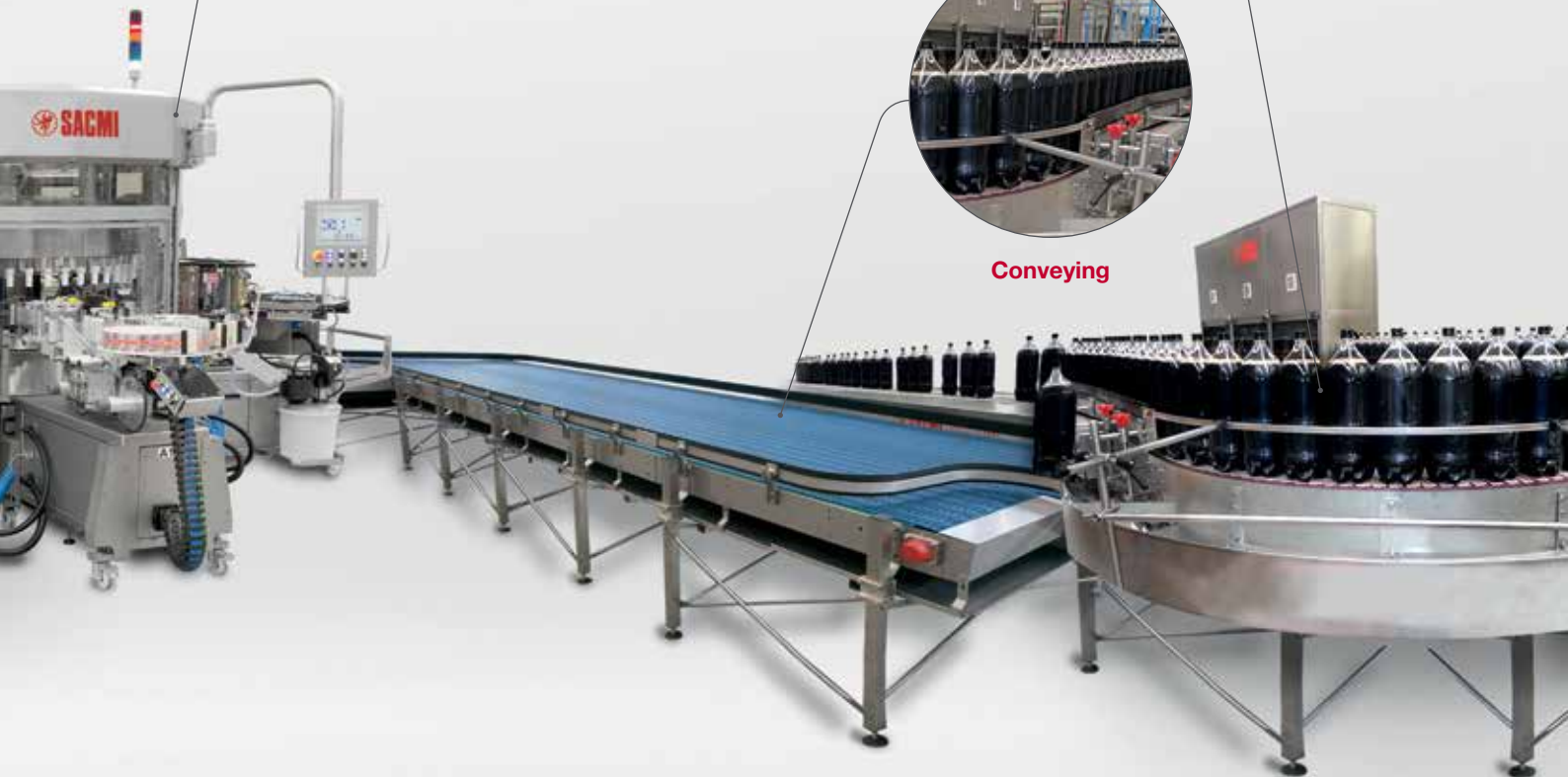
We are the world's leading supplier of valves for Continuous Inkjet (CIJ) processes. Many of the world's leading CIJ printer brands use IMI Precision Engineering technology within their fluid circuits, due to their high durability and suitability for aggressive solvents and inks. Our range is adaptable for many types of printer and labeling machines and includes pencil/pin cylinders, in-line valves and precision solenoid valves.



Secondary Packaging



Conveying



Labelling & coding

19 20 21

Non-food area

Conveying

01 07 23 24 25



15 Air recovery products & solutions



18 Cylinders for filling valves



21 Precision solenoid valves



16 Pneumatic stretch actuators



19 Pencil / pin cylinders



22 Fittings & tubing



17 Capping cylinders for hot fill & cold fill processes



20 In-line valves

Non-food area

IMI Precision Engineering aims for design excellence in all areas. Even though this stage of the process involves no contact with food, our engineers look not only to meet, but also to set quality standards using materials that are easy to clean and resistant to corrosion.

In the conveying, secondary packaging and palletising processes, our products and solutions include air preparation for pneumatic components; Stepper, rodless and guided cylinders; vacuum products; valve terminals with common industry protocols and IVAC for optimised energy savings of up to 50%.



Palletising



23 Stepper cylinders



26 IVAC for optimised energy consumption saving up to 50%



24 Rodless cylinders



27 Guided cylinders



25 Vacuum products

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