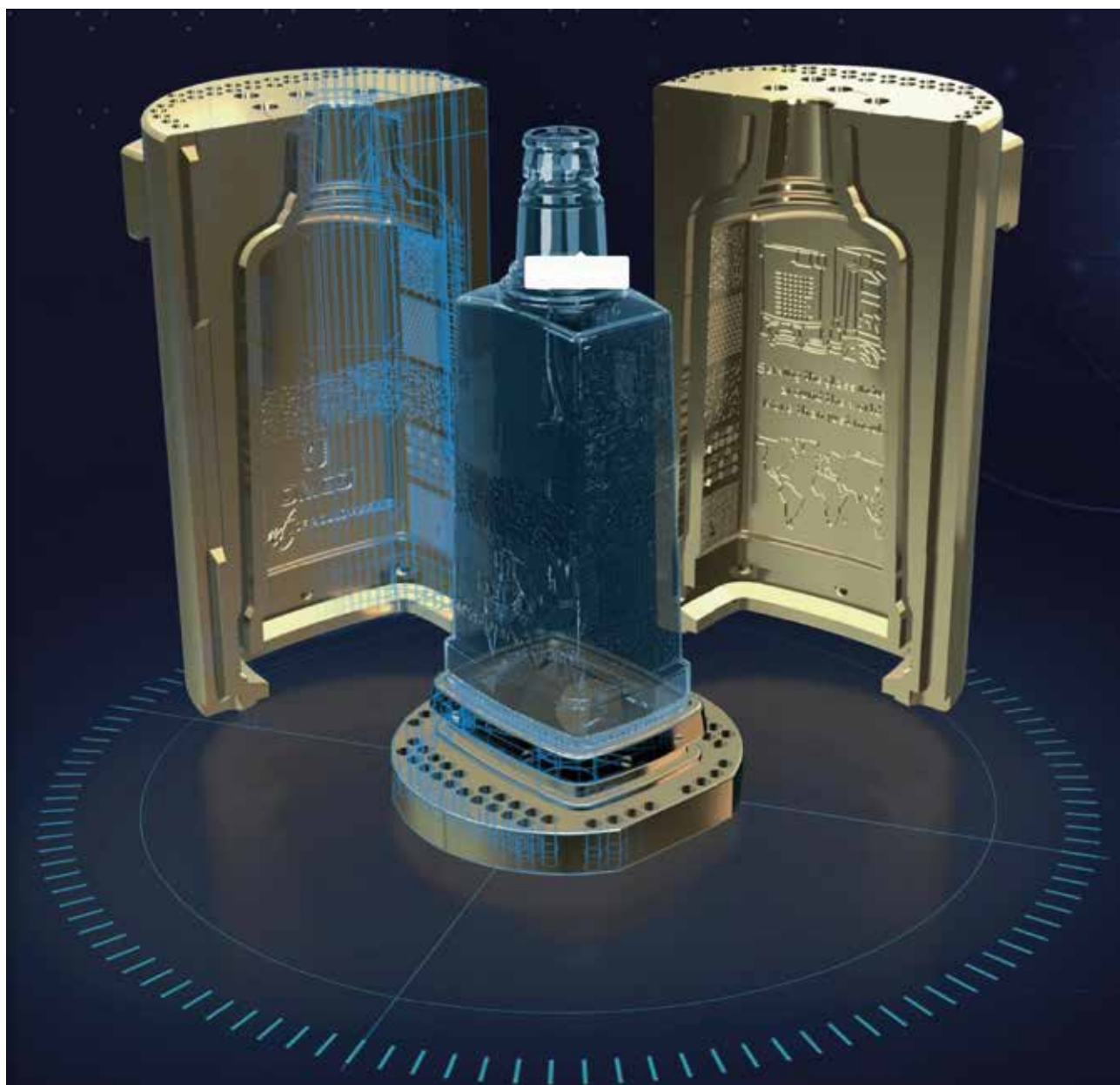


MOULDS

Pioneering glass mould manufacturer **OMCO** still changing the game



Within the dynamic glass container production landscape, OMCO stands as a leading mould manufacturer – consistently adapting to industry demands. Thanks to a rich history of innovation and strategic investments, its commitment to quality, innovation and customer satisfaction continues to position it at the forefront of the glass industry as the company's focus on prosperity and excellence drives the ongoing advancement towards its cutting-edge 'plant of the future'.

Glass container producers face tougher consumer demands, rising energy costs and increased competition from alternative packaging. As a consequence, mould suppliers have to be able to meet the demands for better quality and shorter lead time whilst retaining a competitive price level.

OMCO has gained much experience since its inception in 1964, continuously investing to improve its production processes. Over the last 15 years, the company has responded to increases in demand through acquisitions and, more recently, through green field ventures.

Today, as one of the world's leading mould manufacturers, OMCO continues to adapt its structure to meet the changing needs of the glass container industry. Based on a strategy of quality, innovation, expansion and a constant desire to exceed customer's expectations, it remains committed to serving the glass world.

The versatility of glass is legendary. Moulds are key to realising ideas in glass. Here OMCO provides a complete range of mould parts for glass container production, be it for cosmetic ware, pharmaceuticals, tableware, jars, bottles for fruit juices, beers and spirits. The company offers the equipment for

any shape in a wide variety of quality cast irons or aluminium bronze, using various welding techniques to increase mould life. Indeed it offers a complete service range to make any project a success.

PLANT OF THE FUTURE

Anticipating the changes in customer demands driven by a challenging economic environment, OMCO has positioned itself for the next generation. Its business strategy is based upon three cornerstones,

namely Prosperity, Excellence and People. Here the company invests unrelentingly in the latest technologies that can be applied to advanced glass mould manufacturing processes by building a 'plant of the future'. Using state-of-the-art CNC machines, robotic cells, measuring units and other sophisticated production and metrology equipment, OMCO factories are known for being world-class plants.

Through its investments in these technologies and plants, OMCO focuses wholeheartedly upon con-





sistently meeting the quality standards for which it aims because, which is its number one priority. The company cares about, believes in and invests in its people. Moreover, the engagement of its employees and their enthusiasm to achieve greater things makes each team member strive to meet the expectations of its customers. Being on the path towards a sustainable future, particular attention goes out to sustainability projects that improve environmental, social and economic performance. Here OMCO is constantly thinking of ways to stay a step ahead while relying on know-how instead of muscles. This makes OMCO a responsible global leader in glass mould manufacturing.

Continuously investing in technology, quality and sustainability is the key to success in a challenging market and here OMCO's 'plant of the future' strives to clear the way to ever higher targets.

DESIGN

Design is highly valued at the company as it forms the basics to ensure production runs smoothly at glass plants. Starting with the product design all the way up to the finished set of mould construction drawings, OMCO works to create and deliver designs efficiently to ensure successful container production.

Average time for new development projects:

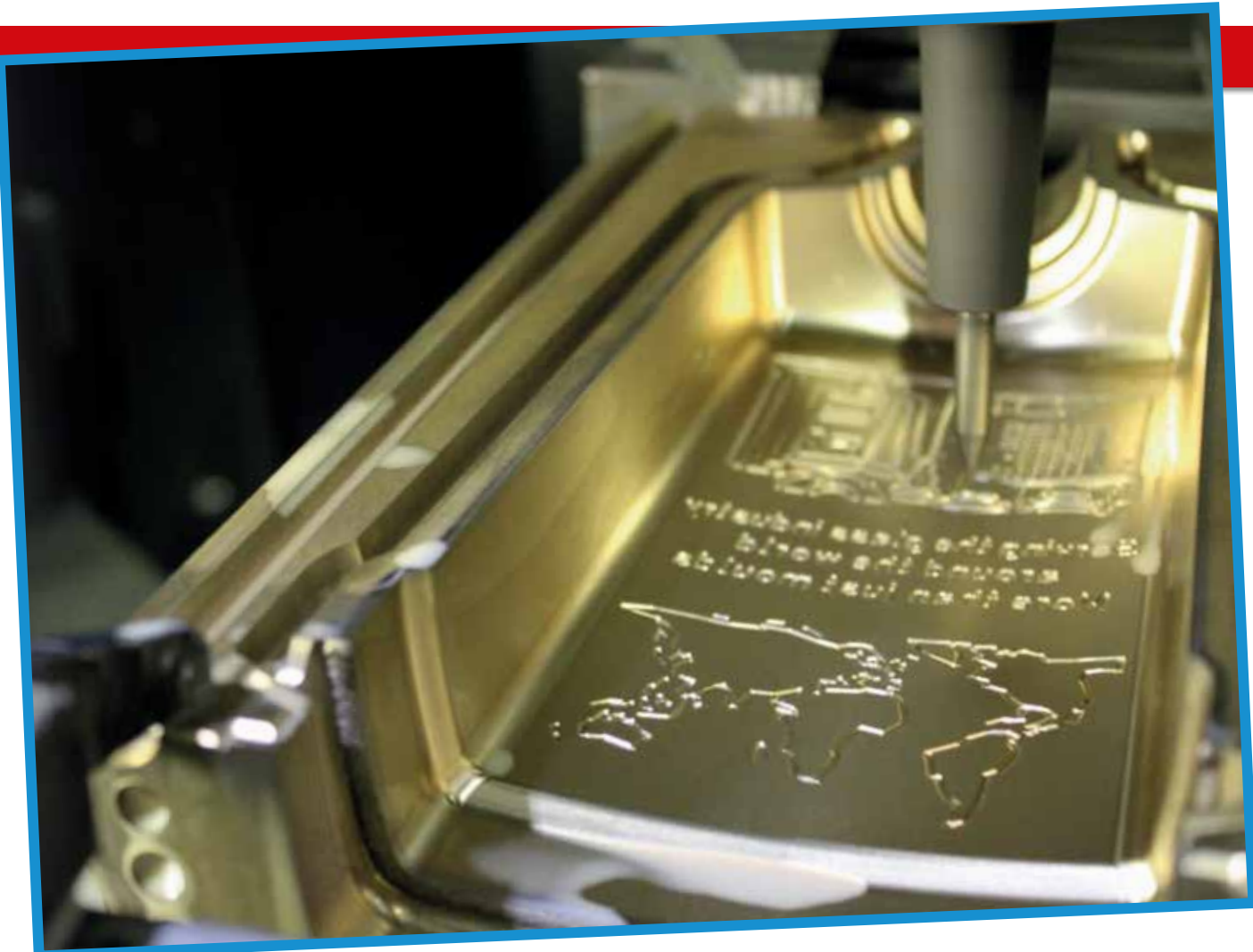
- 2 days for round moulds
- 3 days for shaped moulds

METALS

OMCO offers all types of quality for Cast Iron materials as well as Aluminium Bronze. With two strategically located foundries within our group (Belgium and Slovenia), the company monitors its material quality and is able to respond quickly to customer needs. With a total annual capacity of more than 11,500 tonnes, its foundries are built to produce all types and shapes for glass moulds and parts.

OMCO continuously invests and takes a proactive stance in the research and development of new materials. Based on extensive experience, the company can always recommend proper material choice





that will best perform in terms of glass quality, thermal conductivity, wear resistance and manufacturing. Furthermore, its foundries have become a worldwide leader for bronze mould castings, neck ring castings and inserted neck rings.

MOULDS

Glass is one of the most environmentally acceptable packaging materials and moulds are the key element in successfully manufacturing glass products. The mould has a direct effect on the final shape of the container. Recognizing the importance of it, OMCO has been working on optimising the quality of mould making since its inception back in 1964. The company has since gained much from experience and is constantly investing to improve its production processes and enlarge its capacity to shape the future of glass making.

CAPACITY

Through sharing best practices across all of its production units, OMCO makes more than 280.000 mould cavities per year.

DURABILITY

With proper material choice and laser weld it can challenge an increase of lifetime - exceeding far more than one million glass gobs per mould.

REFURBISHMENT

With a focus on refurbishment and increasing the lifetime of moulds/blanks, reducing the capacity back to nominal value as well as design modifications, OMCO is stepping up its capacity and know-how also in the area of mould repair.

NECK RINGS

With a 12,000 m² facility, OMCO Croatia has strived to become the biggest single facility in the world for

dedicated glass mould manufacturing. This facility houses the group's entire neck ring and guide plate manufacturing unit. As a result of a very intensive investment programme in robotisation, the company can produce more than 600,000 Neck Rings and 1 million Guide Plates yearly, in different materials and in all shapes and sizes. This figure will grow as, based on the finding of our deep market demand monitoring efforts, OMCO is already working to ensure the further expansion of its capacity with the latest top technologies.

PLUNGERS & ACCESSORIES

OMCO offers all variations of coated and solid base material Plungers to meet the glass container industry's lightweight drive by focusing on wise investments, the high speed of spraying and subsequent machining, which is fully robotized.

The company has an annual capacity of 200,000 high quality Plungers of various types at com-



petitive prices. Dedicated manufacturing units for PB and NNPB plungers are based in Turkey and Hungary with ambitious ongoing plans to grow capacity.

The 'all-in-one-place' concept is a major strength of the OMCO Group. This is further supported by its ability to produce every component required for the moulding process. In line with the customer needs, all illustrated accessories are produced in-house and can be supplied as part of a mould set.

650+ CNC MACHINES

OMCO has an impressive machine shop consisting of multi-spindle and multi-tasking machines (+60), simultaneous 5-axis, high speed machines, fully-automated machines with a system of work-piece stockers and gantry loaders, etc.

LASER TECHNOLOGY

The company is a true pioneer in the glass container industry when it comes to the implementation of laser technology. Here the areas are welding, engraving and 3D scanning.

70+ ROBOT CELLS

By continuous growth of robotic

cells (+ 70) and in synergy with skilled employees, OMCO has significantly increased productivity.

TECHNOLOGY

As the result of its investment policy, long-term planning and intensive R&D activities, OMCO factories are equipped with state-of-the-art CNC machines, robotic cells, measuring units and other sophisticated production and metering equipment. Today its factories are world class plants in which cutting edge technologies are implemented and processes are automated and digitised.

QUALITY

Delivering quality is held to be OMCO's key success factor and its number one priority. In doing so, the company is committed to delivering constant improvement and advancements. As part of this strategy, it has implemented a group-wide UKAS-compliant Quality Management System which has resulted in the its ISO 9001 certification. The QMS is the foundation for ensuring consistent quality standards which creates harmonised, high-quality standards across the group. Furthermore, through the digitalization of its quality sys-

tems (OMCOPEDIA, Quality Reporting System) all relevant technical information is stored and easily accessible to +2,000 employees at ten sites in nine OMCO countries.

SUSTAINABILITY

Sustainability is a main focus area of the OMCO Group. Here it cares about its own environmental, social and economic performance, as well as those of its customers. One of the ways we do so is by ensuring stable supplies. Indeed it views sustainability as the key to a better future. OMCO invests in sustainability for the future of the company and for the employability of its people by establishing goals aimed at bringing focus, embracing change and fostering innovation at every level. Here it isn't satisfied with merely looking after its employees and customers but also society at large and the environment in which it operates. The company does this by making efforts that go beyond what may be required by regulators.

Through some of the dedicated projects already completed, OMCO has already reduced its CO2 emissions substantially. Here its ongoing and future projects and investments will enable it to produce more pieces using the same amount of energy - all while raising its sustainability targets to the highest levels. ■



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