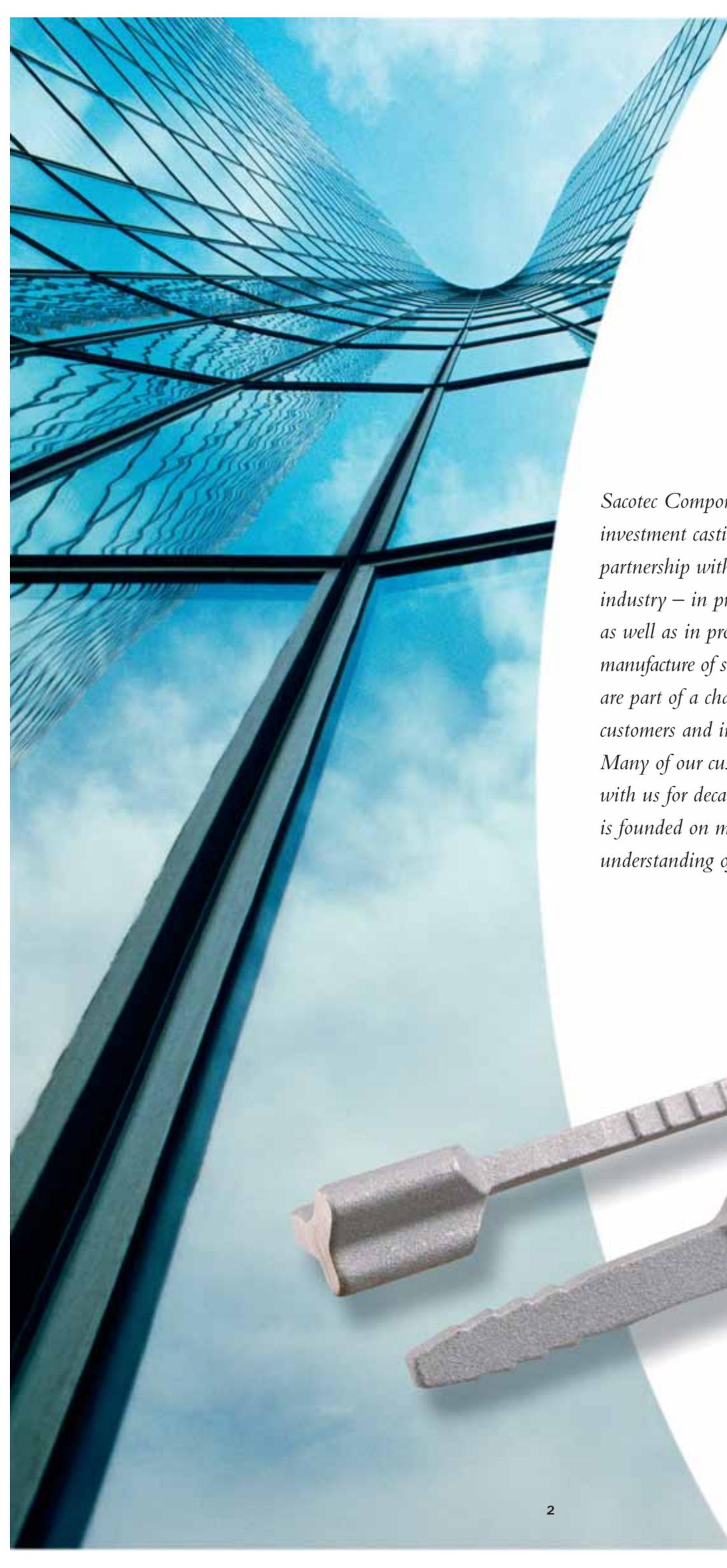


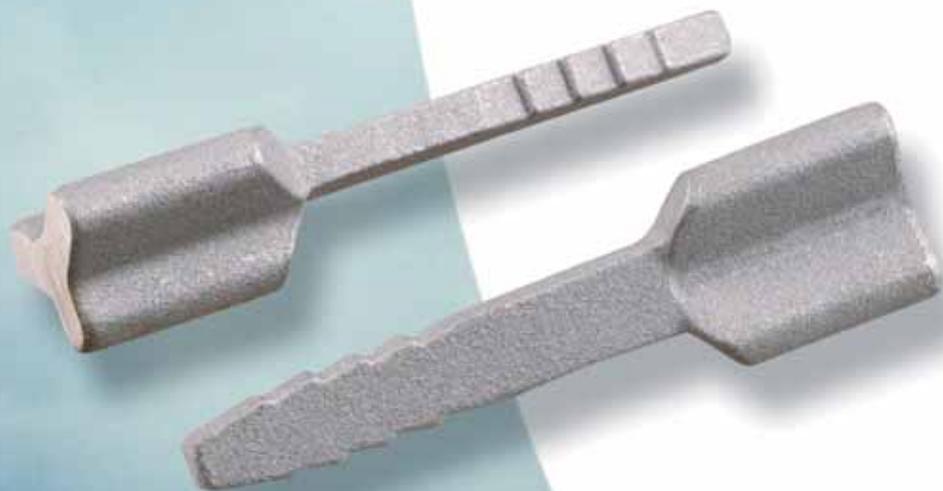


Sacotec Components Oy
– leading specialist
in investment casting





Sacotec Components Oy is Finland's leading investment casting foundry. We work in partnership with companies in the metals industry – in product and process development as well as in production. The design and manufacture of strategically important components are part of a chain that aims to benefit our customers and in turn their customers. Many of our customers have been in partnership with us for decades. Our long-term collaboration is founded on mutual trust and a comprehensive understanding of our customers' needs.



Sacotec Components Oy

– leading specialist in investment casting



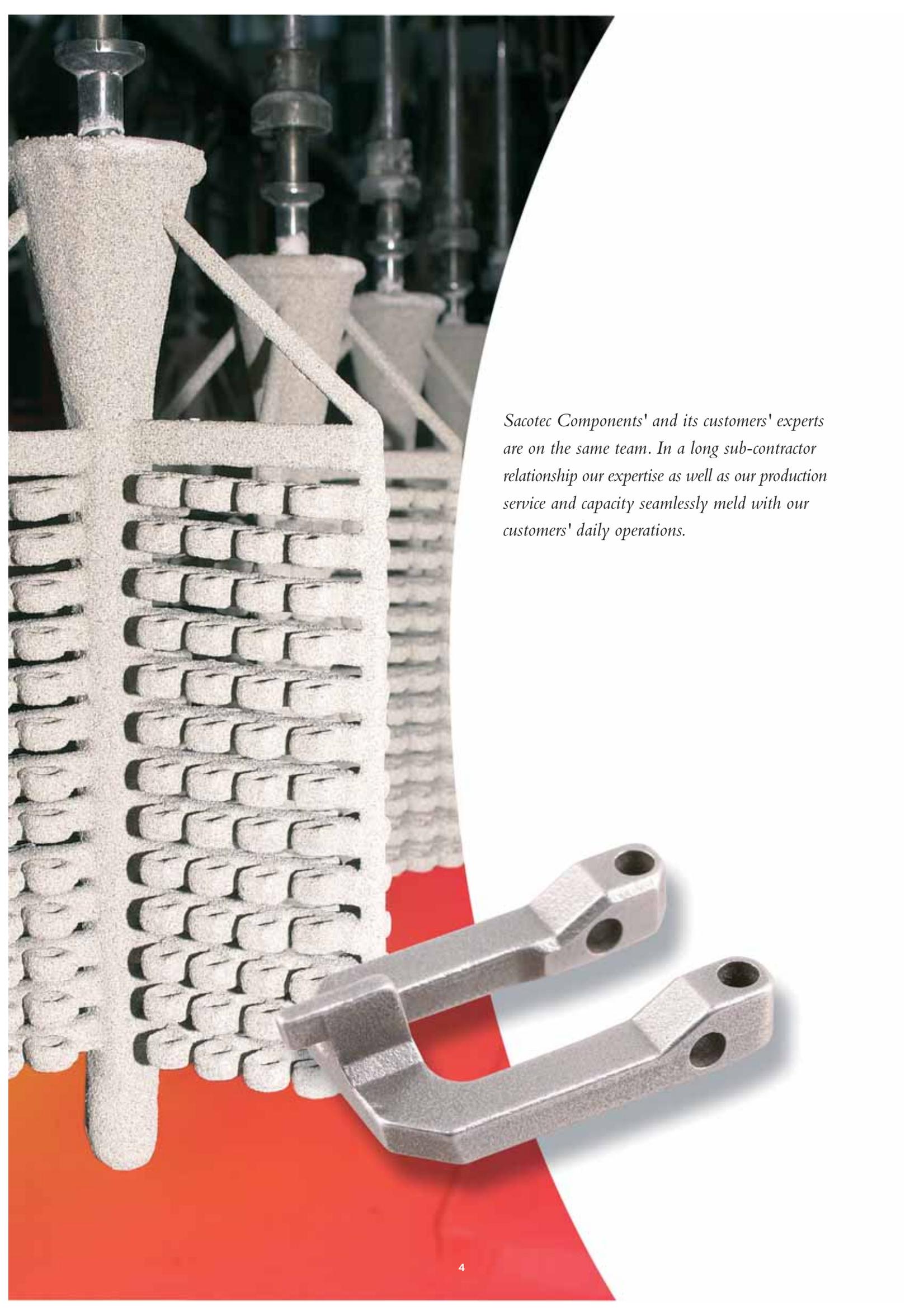
New and old: 3D design and simulation, as well as casting from the past.

Our specialist knowledge is based on long experience. Our foundry in Riihimäki was established in 1956 as part of the Sako weapons factory. We have been pioneers in our field for half a century and have made over 100 million investment castings.

Sacotec has operated in its current form from 1990. Over the years, the commitment, expertise and quality service of our staff has grown to become the core resource of both our company and customers.

Investment casting is a cost-effective method and allows the designer much freedom in the design process. We combine high standards in design with modern production technology.

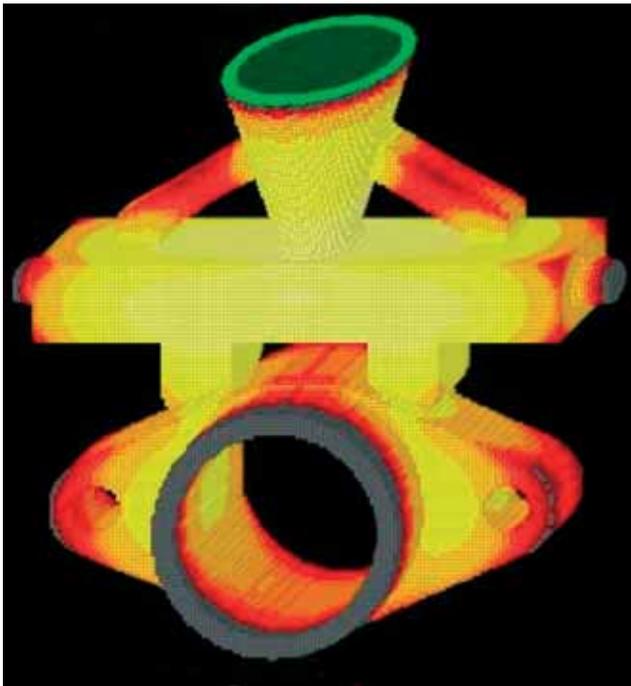
Our customers' individual needs direct all our operations. We deliver finished components ready to be assembled to our customer's assembly line. High quality means defect-free components – components in the right place at the right time.



Sacotec Components' and its customers' experts are on the same team. In a long sub-contractor relationship our expertise as well as our production service and capacity seamlessly meld with our customers' daily operations.

Sacotec Components Oy

– an engineering office and a foundry



In addition to the 'lost-wax' method, our production processes include the latest technological developments in methods and equipment.

We extend our customer's organisation in various ways and at all levels.

As an engineering office, we offer our customers specialist knowledge regarding investment cast products. We participate in the development of products that include cast parts and in the designing of more efficient and modern processes.

As a foundry, we take responsibility for the production of investment cast parts. Our production method based

on investment casting using wax patterns is at its best for runs of small, one-gram to four-kilogram weight range, complex parts.

Reliability based on long experience and our continuous operation ensures that our customers can unreservedly entrust us with the design and production of even the most critical component wholes. Decades long customer relationships best illustrate our success in this field.

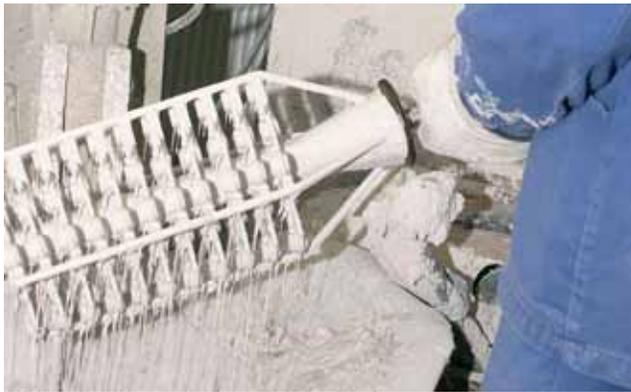


Sacotec Components Oy produces components for various products used in the manufacturing industry. In demanding machinery the small parts are often critical in determining the operation and quality of a machine. End products range from valves for the process industry to furniture, and from locks to diesel motors



Sacotec Components Oy

production process and end products



A ceramic shell resistant to molten steel is built onto wax trees.



Ceramic moulds are heated in preparation for casting.



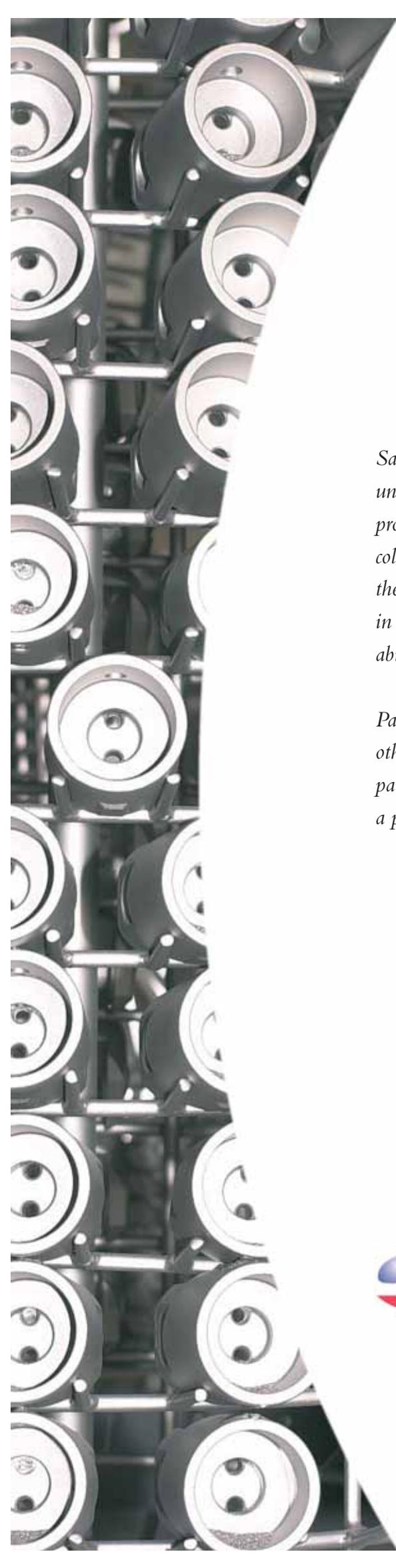
Molten metal is poured into the mould.

The production of investment cast parts is based on an effective, energy-efficient, and environmentally friendly process. First, a wax model of each part to be cast is made by wax injection machine. The cast mould is built up in layers onto the wax model. When the wax is removed from inside the mould, molten metal is poured into the cavity.

The shell is removed by knock out or sandblasting. After the parts have undergone finishing treatment and

quality control, they are shipped directly to the customer's production line, ready to be assembled.

Our professional staff, high quality production machinery and production control, guarantee an uninterrupted and predictable manufacturing process.



Sacotec Components Oy offers its customers unique specialist expertise, high quality competitive production methods as well as long-term collaboration. Technology is necessary: however, the ingredients for success are not found in machines and devices but rather in human ability and determination.

Partnership and mutual success are linked to each other as closely as a casting mould and the cast part. We are ready to explore the possibility of a partnership with your company.



Sacotec Components Oy
PL 180, FI-11101 Riihimäki, FINLAND
Tel. +358 (0) 19 778 71
Fax +358 (0) 19 778 7477
www.sacotec.fi