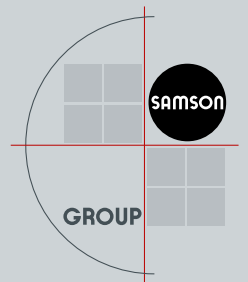


50 JUBILÄUM
JAHRE |
1965 - 2015



Your Partner for System Solutions



■ INTELLIGENT ■ ■ ■
system solutions

Spot On!

Top performance from the planning stage right up to after-sales service

Engineered Solutions From a Single Source

Process automation – Building automation – Production engineering



Intelligent System Solutions

Intelligent system solutions for a wide variety of applications in process and building automation as well as production engineering

Reliability tailored to our customers' needs

Founded in 1965 in Frankfurt am Main, Germany, SAMSOMATIC GMBH is a member of the SAMSON GROUP active all around the globe. The company stands for customer satisfaction, quality and reliability. Relying on the know-how and experience gained in over 50 years, we provide technically and economically viable solutions for a wide variety of applications in process automation, building automation and production engineering.

Our automation solutions are proof of the competence we have acquired in all areas of process automation over the past decades. Our proven strength lies in the perfect combination of expert knowledge of applications, extensive field experience and innovative products to create intelligent system solutions tailored to our customers' demands – and all that from a single source.

Quality has always been the top priority at SAMSOMATIC. Customer satisfaction is one of our essential quality goals and an important foundation for our corporate success. Our quality management system complies with international standards. Regular quality audits and the continuous improvement of all our processes ensure the high quality of our products and services in the future.



SAMSOMATIC
ENGINEERING
ENGINEERING



ISO 9001
BUREAU VERITAS
Certification



Customers – Markets – Industries

Customer proximity and flexibility
in the strong alliance of companies
within the SAMSON GROUP



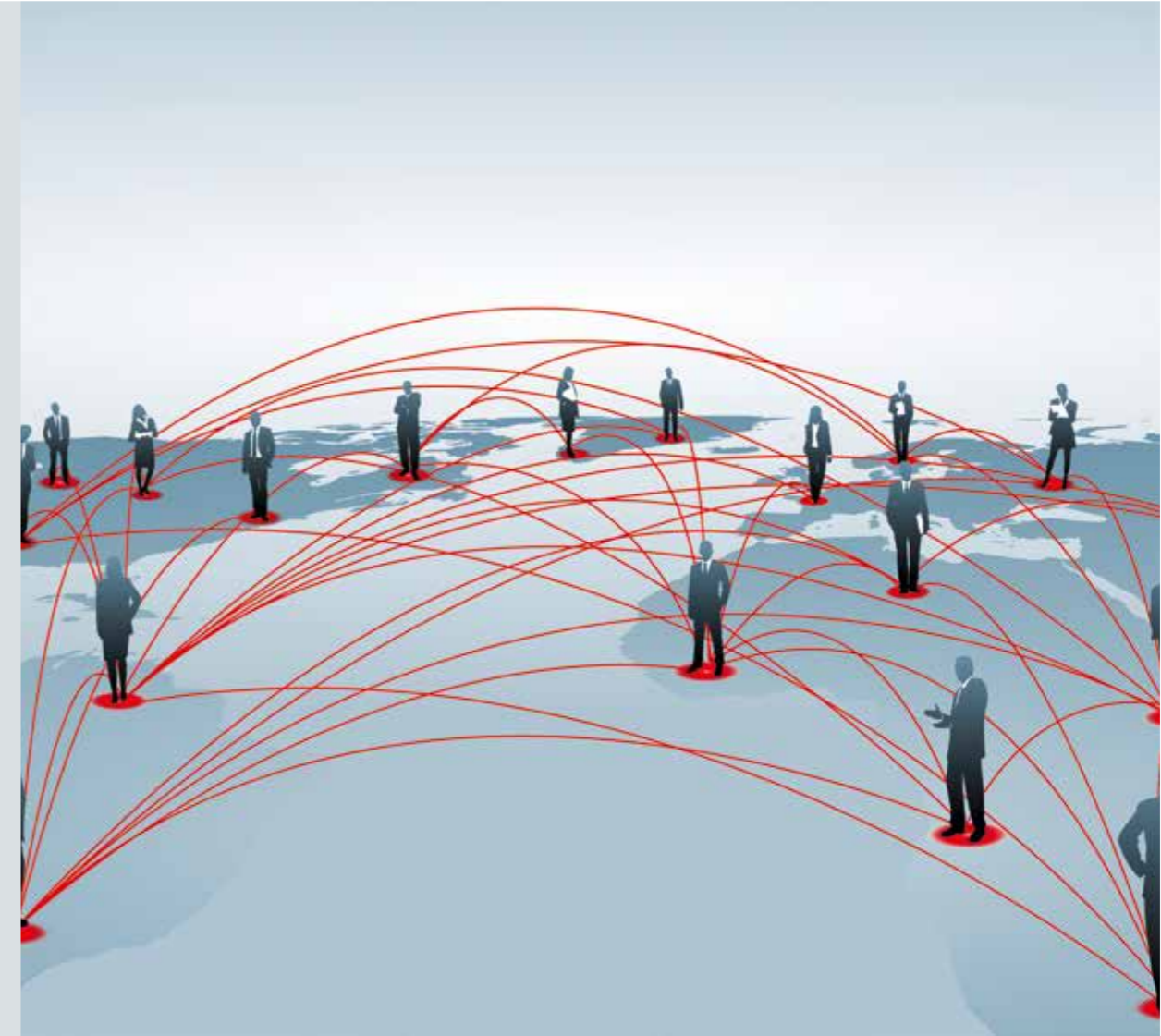
Local customer assistance across the world

Our unparalleled products and system solutions are used all over the world. We support customers on opening up new markets in a wide variety of industries:

- Chemical industry
- Petrochemical industry
- Process engineering
- Pharmaceutical industry
- Biotechnology
- Food industry
- Power supply
- Pulp and paper industry
- Textile industry
- Automotive industry
- Aeronautical industry
- Mechanical engineering
- Municipal services

Customer proximity and flexibility are key factors contributing to our corporate success. As part of the strong alliance of companies within the SAMSON GROUP, we have set up an international sales and service network to provide professional plant maintenance and servicing even for failures at short notice.

Besides, we strengthen the competitiveness of our customers by supplying products in a consistently high quality and ensuring increased plant availability.



Audi · BASF · Bayer · Bosch · Continental · Daimler · Deutsche Bahn
Deutz · Dräger · Esso · Evonik Industries · Federal-Mogul · Ford
Henkel · Herrenknecht · Lufthansa · Mahle · Merck · Miele · MTU
Nestlé · Rolls-Royce · Sanofi-Aventis · Shell · Voith · Volkswagen · ZF



Services

Extensive range of expert services from consulting and engineering to 24-hour on-call service



Extensive range of expert services

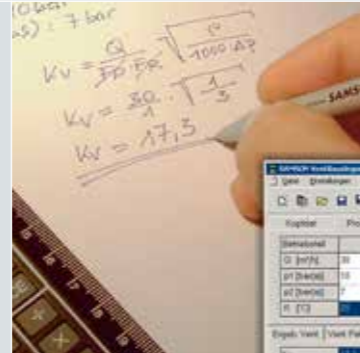
Our customers rely on the extensive range of technical and expert services from a single source:

- Consulting
- Planning
- Engineering
- Programming
- Production
- Assembly and installation
- Start-up
- Service and maintenance

Highly qualified engineers and technicians from different fields work closely together in project groups and with our customers, turning ideas into intelligent, technically and economically viable solutions that are tailored to our customers' demands. Naturally, we focus on achieving the best use of energy with a view to sustainability.

Furthermore, we aim at establishing a trusting partnership with our customers that goes beyond start-up.

As a reliable partner, we also provide training and plant management using the latest communication technologies. 24-hour on-call service is provided for professional plant maintenance and servicing. Service contracts for predictive maintenance help minimize plant downtime.



SAMSOMATIC ENGINEERING
ENGINEERING

Products

Advanced products made in Germany with innovative design tailor-made to suit individual applications



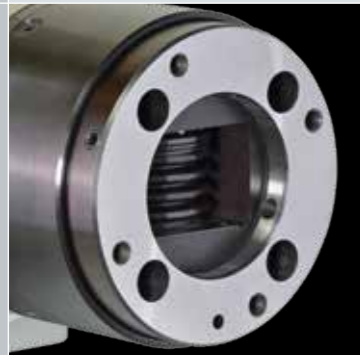
Innovation and sustainability

Our pioneering products include an innovative design tailor-made to suit individual applications. Moreover, sustainability and the associated demands for energy and cost efficiency are also accounted for.

The adherence to all relevant standards and guidelines is a matter of course during the in-house development, construction, production and assembly of our products and is documented in certificates. The "Made in Germany" label represents the final seal of quality.

Standardized interfaces and communication protocols ensure that our products are also compatible with products by other manufacturers and allow for a smooth exchange or integration into existing plants.

Special product properties, such as corrosion resistance, high degree of protection and wide temperature ranges, are typical for devices used in rough or corrosive ambient conditions. The design and materials for products used in cleanroom applications and the food industry meet the strict hygiene and sterility requirements. Particularly stringent quality demands are placed on products for safety-instrumented systems to ensure that they function reliably even after they have remained static for long periods of time.



Process automation

Strict quality demands for the highest level of plant safety and reliability in process automation

Safety and reliability

Plant safety has always played a major role in process automation. Apart from explosion protection, functional safety has become more and more important. Yet, the efficient use of energy and reliability are not contradictory.

Devices for process automation meet strict quality demands. Tried-and-tested solenoid valves and limit switches ensure reliable activation and monitoring of valves for throttling and on/off service. The devices can be adapted to various control tasks and are approved for use in hazardous areas and safety-instrumented systems.

Our automation solutions are proof of the competence we have acquired in all areas of process automation from control loops to demanding applications with a customized process control systems over the past decades. Examples of our fields of expertise include automating autoclaves in the food industry and petrochemical towers. Our products are used extensively to automate heat exchangers used on test benches for automotive and aircraft engines. Our desuperheaters with pressure and temperature control allow for economic steam conditioning in various applications in process engineering as well as in the food and paper industries.



Building automation

Modern building automation for more security of investment, energy efficiency and cost-effectiveness while providing optimum convenience

Convenience and efficiency

Modern building automation applications are expected to be flexible, transparent and reliable, with the decisive factors being safety of investment, energy efficiency and cost-effectiveness while ensuring the highest possible comfort for the user.

We tailor the building automation and district heating plants to the customer's specific demands. Applications range from heating, ventilation and air-conditioning systems for office buildings, hospitals, schools, sports arenas and industrial buildings to combined heat and power plants as well as heat transfer stations for district heating networks.

In addition to standard control applications with simple loops, we can implement all kinds of complex systems, from field level to tailor-made building control systems. Our smart automation systems control interconnected plants using standardized communication interfaces and protocols. Custom process visualization with animated plant schemes makes it easy for operators to run and monitor plants on touch screens.

Integrated alarm management functions allow users to be notified quickly of failures during operation and the appropriate action to be taken promptly.

The Internet and modern telecommunications even permit remote monitoring and maintenance.



Production engineering

Precise manufacturing for smooth interaction of all cylinder parts in combustion engines



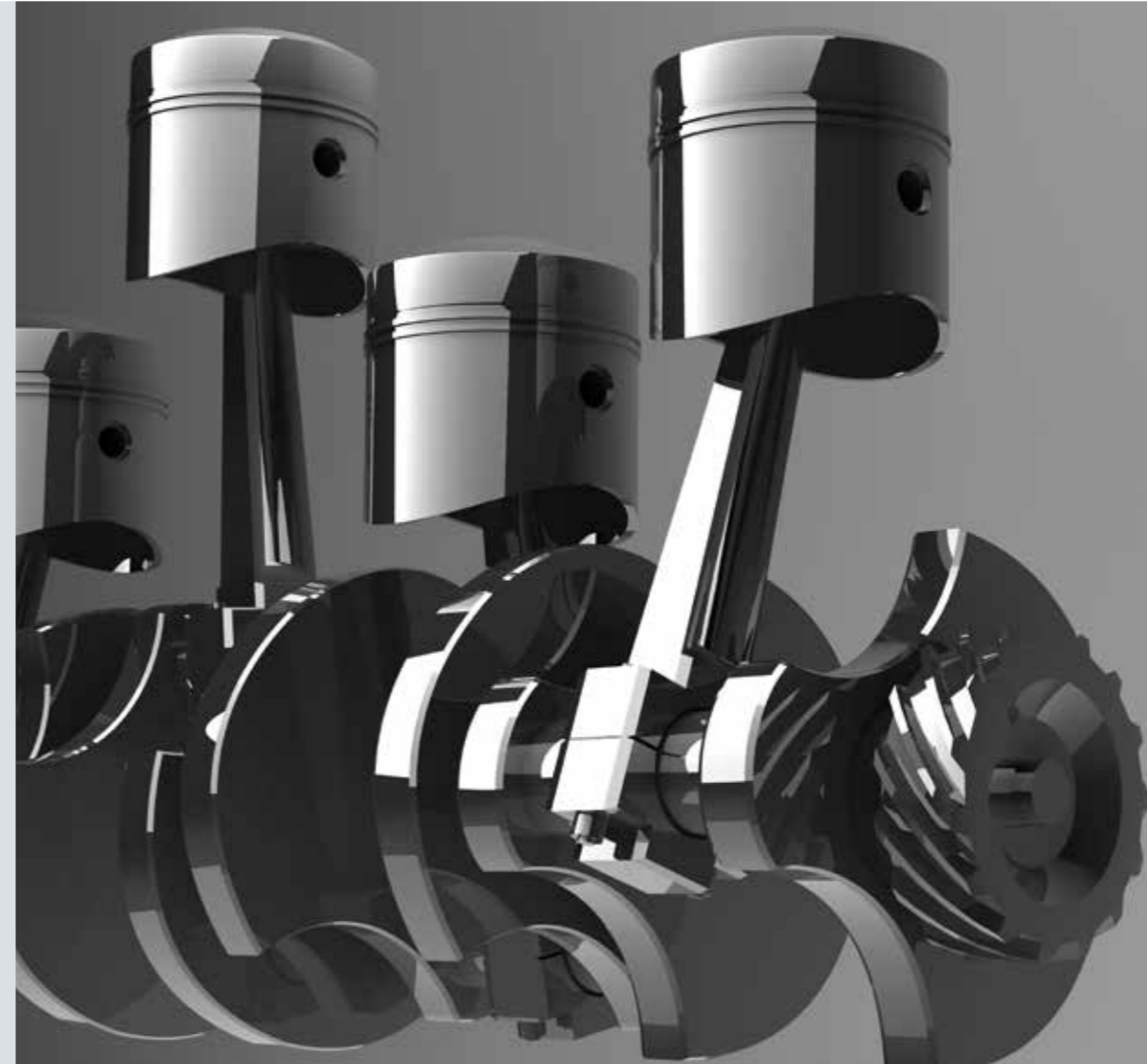
Precision without friction

Precision in automated production requires constant quality monitoring during machining. Major companies trust our expertise in the field of production engineering.

Our proven size control and tools correction systems automatically compensate for tool wear, temperature fluctuations of the machining equipment and initial tool setting tolerances, and all this accurate to the micrometer. This reduces downtimes and setup times for machine tools as well as production costs while maintaining a high production quality level. Tools correction systems can be mounted on the machine tools' spindles or used on machining centers with integrated retooling systems.

The form boring of steel pistons for modern combustion engines must be performed with micrometer precision and is the perfect example of a technically challenging machining task.

The relevant dimensions of a workpiece are recorded by sensors and evaluated by a computer according to modern aspects of SPC (Statistical Process Control). Even the smallest dimensional variations are quickly recognized and the cutting position of the rotating spindle is automatically corrected. The tool cutting edge is lifted off the workpiece after machining to prevent withdrawal scoring marks on the surface of the workpiece.



SAMSON GROUP

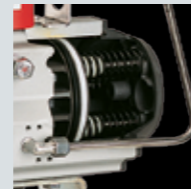
A wide variety of automation technologies available from the companies of the SAMSON GROUP



Versatility and strength



SAMSON
MESS- UND REGELTECHNIK



AIR TORQUE



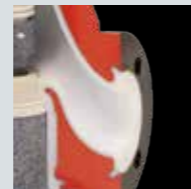
CERA SYSTEM
more than ceramics



KT Elektronik



LEUSCH



Pfeiffer
Chemie-Armaturenbau GmbH



RINGO VALVULAS



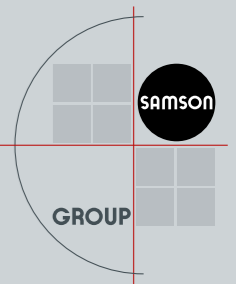
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STAR LINE



VETEC
Ventiltechnik GmbH



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system solutions

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