



# HTK Hamburg GmbH

Tailor-made mixing and gas control

Gases, especially technical gases, are in use both day and night – literally everywhere. They play a decisive role in almost all industrial sectors and the role of gas analysis and control is, therefore, just as fundamental. For more than 40 years, HTK Hamburg has been striving to meet these needs, a manufacturer of gas mixing, gas analysis, gas warning and gas control systems.

The company supplies all industries with process technology for technical and combustible gases tailored to meet the customer's specific needs.

## Tailor-made solutions

HTK Hamburg was founded in 1978, and is today successfully managed by the three sons of the original company founder. From its headquarters in Hamburg, Germany, with 30 employees, HTK advises, supports, develops and delivers worldwide systems for processes and bespoke applications in which gases are used. With a worldwide network of partners, it offers swift service directly onsite. The focus is on individual consulting and close customer contact.

Today, HTK supplies tailor-made gas mixing and gas analysis systems and solutions for hydrogen applications. In fuel cell technology for example, for which small and compact efficient systems have been developed, HTK Hamburg drives further development with its partners and customers by providing innovative solutions.

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“HTK Hamburg has grown continuously over the last 40 years”

Meanwhile, the use of gases in welding and cutting – a mature application – has become state-of-the-art, and the quality and safety requirements for the production of gas mixtures are imperative and systems must be designed to meet the process requirements. The right gas mixing concept for two, three or even four gases in a gas mixture, with the appropriate analysis for quality assurance, is configured to meet customer requirements and also their current standards in terms of accuracy.

A core application for HTK Hamburg is in the food industry, where the use of gases can often present great challenges to the manufacturer. Modified atmosphere packaging (MAP) ensures a longer shelf life and a better appearance of the food in the package. The use of preservatives is therefore avoided.

HTK Hamburg supplies the appropriate individual, or central gas mixing and analysis systems, for the constantly increasing demands on the accuracy of the gas mixtures. The residual oxygen content of the gas mixture can be controlled with extreme accuracy by continuously or interval sampling of the mixture. Integrated standard interfaces and data loggers support the user with the required documentation for quality assurance.

HTK Hamburg analysis systems with innovative, fast, precise and reliable sensor technologies are used throughout the food industry – as well as for end

uses such as welding gases or in the pharmaceutical and medical industries.

## Safety

HTK Hamburg's main focus concentrates on providing units with a long service life, reliable measurement, a long service life and easy operation – but the safety of its customers is imperative.

Over 25 years ago, HTK Hamburg installed the first gas warning systems for its customers. The constant development of gas warning systems, from one gas measuring sensor to a central BUS system which can evaluate several hundred gas measuring sensors, together with close cooperation with various leading sensor manufacturers, has made its SCENTY gas warning systems so successful. For personal protection against gas hazards, HTK Hamburg has also been offering mobile gas warning systems for many years, used across all industrial sectors. Years of experience and the continuous development of its gas warning systems guarantees a long service life and maximum safety.

## Continuous growth

HTK Hamburg has grown continuously over the last 40 years with its gas-related systems and the company told *gasworld*, “Our specialised and committed employees, plus our short decision-making processes are important factors contributing to our success. We meet the high quality demands of our customers with innovative, new technology...”

“The guiding principle of our company is ‘OTHERS IMITATE – WE INNOVATE’ and this is lived every day by all employees and partners worldwide.” 