

Industry Outlook

SCIENTIFIC AND ANALYTICAL INSTRUMENTS MANUFACTURERS

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HEMAKI

AS ONE OF THE

**TOP 10
SCIENTIFIC & ANALYTICAL INSTRUMENTS
MANUFACTURERS**

2023

*in acknowledgement of its unwavering focus and dedication
to achieve excellence in quality and delivery in this field.*

Sudhakar Singh

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Managing Editor
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HEMAKI

LEADING THE THRIVING SCIENTIFIC & ANALYTICAL INSTRUMENTS MANUFACTURING INDUSTRY

The scientific and analytical instruments manufacturing industry is witnessing a surge driven by technological advancements, including automation and AI integration, enhancing precision and efficiency. However, challenges arise from the increasing complexity of instruments, the demand for stringent regulatory compliance, and the need to balance innovation with cost efficiency. The Thane-based Hemaki Lab Services, a leading manufacturer and distributor of scientific and analytical instruments stands out as a prominent figure in the industry, specializing in Online/Portable Oxygen Analyzers, Gas Analyzers, Gas Moisture Meters, Dew Point Meters, Online/Portable Gas Analysis, and LPG/CNG analysis. Hemaki's capability to design and supply specialized, customized analyzers has solidified the firm's position and commitment to providing tailored solutions for unique analytical requirements, overcoming common challenges faced by clients.

Hemaki's Journey

Established in 1991, Hemaki Lab Services emerged as a subsidiary of 'Makarand Electronics,' a distinguished name in the realm of process control instrumentation. The brainchild of Anil Kunte (Director), a seasoned professional in instrument development, the company inherited a legacy of expertise. His rich background includes his tenure in the TIFR microwave section, where he crafted microwave signal generators pivotal in testing radar components. Subsequently, he joined Ashok Kunte's Makarand Electronics, propelling the journey of Hemaki.

During his time at Makarand, he spearheaded the development of a groundbreaking Gas Chromatograph (GC) project within the Science & Technology Park of IIT Bombay. The resulting GC model, MAK-911, made its debut in the Indian market in 1991. Remarkably, some customers continue to employ this model after more than 25 years—a testament to its enduring quality. Manufactured at Makarand Electronics in Mumbai, the MAK-911 GC prompted the establishment of Hemaki Lab-services to oversee its sales and service. This venture extended its ambit to encompass various imported electronic analytical instruments, serving a diverse array of sectors like chemical, pharmaceutical, petrochemical, and pesticide industries.

Amidst Covid-19 challenges, Hemaki demonstrated its adaptability by relocating GC production to its Thane facility. The evolution of the MAK-911 model into the upgraded MAK-2191 exemplifies the company's commitment to innovation. The new model's modular plug-in construction enhanced



versatility through add-on modules, minimizing downtime for service convenience. The GC MAK-2191's resilience was validated by robust testing, showcasing RSD below two percent under test conditions, with OQ and PQ certification available.

"Hemaki extends its prowess to manufacturing essential GC allied accessories, catering to diverse analytical needs. Since 2000, we have produced dedicated gas analyses for Oxygen, Nitrogen, Hydrogen, and CO₂, offering OEM solutions for gas plant manufacturers. The Covid-19 scenario witnessed our stepping up to manufacture crucial Oxygen analyzers, proof of our dedication and resilience during challenging times", shares Anil Kunte, Director.

Range of Services

Hemaki's expertise extends to the erection and commissioning of analytical instrumentation for industrial Gas Plants, addressing complex challenges in various industries. With a range of gas analyzers employing diverse sensor technologies such as electrochemical, thermal conductivity, NDIR, zirconia, and paramagnetic for pure gasses, Hemaki ensures accurate and reliable analysis.

"We proudly represent renowned brands such as 'SHAW moisture sensors' from the UK, (since 1992), offering reliable and long-lasting sensors for detecting sub ppm level moisture in gases. Additionally, we represent (since 1996), 'Orthodyne' from Belgium, globally recognized for advanced online gas chromatographs with precision detectors. Our services cover PAN India and the Middle East region too", further shares Anil.

The company specializes in analytical instrumentation, particularly gas analyzers for Ultra High Pure (UHP) gas plants, Cryogenic & PSA-based plants, and Cylinder filling plants, catering to industrial and medical Oxygen plants, speciality calibration gas manufacturers, ensuring high-accuracy analysis certification. Dedicated to delivering quality solutions for diverse applications, Hemaki is setting groundbreaking benchmarks in the industry, upping the game for its competitors. ||