

Case Study: Deccan Chemicals and IKA

/// Enhance efficiency by using IKA equipment & software



Customer Overview

Deccan Fine Chemicals is a leading manufacturer in the fields of agrochemicals, specialty chemicals and advanced pharmaceuticals intermediates. The company excels in custom research and custom manufacturing, focusing on creating tailored solutions for specific customer needs. Headquartered in Hyderabad, India, Deccan Chemicals operates state-of-the-art manufacturing facilities across Goa, Gujarat, and Andhra Pradesh, India. The company's unique business model revolves around producing high-quality active ingredients and advanced intermediates exclusively for individual clients, ensuring a strong commitment to quality and precision in every product they deliver.

Challenges Faced by Deccan Chemicals

As Deccan Chemicals continues to grow, their R&D team recognized the need to upgrade their laboratory setup to enhance automation and operational efficiency. The critical nature of data collection and integration in their operations made it imperative to invest in best-in-class laboratory products. The existing reactor systems and software, was falling short, leading to challenges in achieving the desired end quality of their products. The R&D team decided to improve data accuracy, and elevate the overall efficiency of their lab processes.

The Solution Provided by IKA

Through detailed discussions, IKA identified the underlying issues and recommended its **EasySyn** reactor and overhead stirrer, paired with IKA's advanced **Labworldsoft® 6** software, as a comprehensive solution. This software allowed Deccan to digitize their laboratory, enabling remote operation of equipment, automation of routine tasks, and real-time data collection and analysis. The software's graphical interface and the ability to integrate various devices into complex systems further enhanced operational efficiency and ease of use.

The EasySyn reactor system is designed for both organic and aqueous syntheses, offering a fully integrated solution where all complementary components—overhead stirrers, circulators, vacuum pumps and controllers, sensors, and automation software—are sourced from IKA. This integration ensures seamless compatibility, operational efficiency and scaling.

Implementation Process

The implementation of the EasySyn reactor system, along with the integrated software, was executed smoothly by IKA's technical team. Comprehensive training sessions were conducted to familiarize Deccan's R&D team with the new systems, ensuring that the transition was seamless and that the team could fully leverage the advanced features of the new equipment.

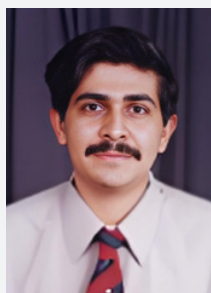


Result and Impact

The introduction of IKA's equipment has been transformative for Deccan Chemicals. The automation capabilities have streamlined their operations, allowing the R&D team to efficiently manage multiple devices and collect valuable data for further analysis. This has not only improved the quality and security of their end products but also enhanced overall operational efficiency.

Encouraged by the success of the EasySyn reactor system, Deccan Chemicals has further invested in advanced models of IKA overhead stirrers, rotary evaporators, and recirculating chillers to achieve even greater integration with the Labworldsoft 6 software. These additions underscore Deccan's commitment to continuous improvement and their trust in IKA as a reliable partner.

Customer Feedback



Mr. Sidhesh Prabhudesai, Director – Process Engineering at Deccan Fine Chemicals, expressed his satisfaction with the collaboration:

"At Deccan, we believe in delivering quality products to our customers. For that, we plan to build a state-of-the-art R&D facility with high operational efficiency. We are pleased to have IKA as a perfect partner in this journey."



Dr. Albert Schnatterer said:

"The collaboration with IKA has enhanced our chemical process development capabilities. The seamless integration of their advanced equipment and software into our R&D operations has not only improved our efficiency but also allowed us to push the boundaries of innovation in custom manufacturing."

Future Collaboration

Deccan Chemicals is looking forward to a long-term association with IKA, with plans for continuous upgrades to their laboratory infrastructure. This ongoing partnership is expected to further enhance Deccan's R&D capabilities, ensuring that they remain at the forefront of innovation and quality in their industry.

"Our partnership with Deccan Chemicals exemplifies the trust and collaboration we aim to cultivate with all our clients. We are honoured to contribute to their innovation journey through our advanced solutions and services."

Rahul Singhal, MD & CEO, IKA India

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