



# Tecnorama: Italian technology driving the future of lab automated dyeing



For more than four decades, Tecnorama has stood at the forefront of Italian innovation in textile lab dyeing automation. First company to introduce true automation into dyehouses with its groundbreaking Dos&Dye® system, Tecnorama revolutionized the way laboratories manage dispensing and dyeing operations. Over the years, Tecnorama has built a reputation for unmatched quality and reliability, offering machines whose performance and consistency have no equal on the global market. Today, the company continues to redefine industry standards with its patented Dos&Dye® systems, advanced robotic modules, and a steadfast commitment to environmental responsibility.

At the core of Tecnorama's success lies its pioneering approach to laboratory automation. The Dos&Dye® system—recognized worldwide for its accuracy and repeatability—enables dyehouses to obtain the exact recipe “right first time,” ensuring seamless replication on bulk dyeing machines. This drastically reduces corrections, re-dyeing, and material waste, delivering significant time savings and optimized production efficiency. The system's automated dispensing eliminates trial-and-error, allowing manufacturers to achieve precise color results while consuming less water, less energy, and fewer resources overall.

The company's dedication to sustainability has been further acknowledged through the “Green Label” Recyclability Index certification promoted by ACIMIT. This accomplishment strengthens Tecnorama's position, demonstrating how automation and environmental stewardship can—and must—coexist. By reducing water and energy consumption, increasing productivity, and minimizing waste, Tecnorama provides manufacturers with technological excellence and tangible tools to lower their environmental footprint.

Innovation remains a defining element of Tecnorama's identity. Continuous investments in research and development, supported by robust in-house engineering and software departments, ensure a constant flow of advanced solutions that anticipate market needs. The company's portfolio includes numerous industrial patents, reflecting its ability to transform pioneering ideas into practical, highly effective technologies. This forward-thinking philosophy recently earned Tecnorama the prestigious ItalyX Certification, awarded to organizations that embody Italian creativity, quality, and design. The recognition affirms the company's capacity to merge high-tech automation with the craftsmanship and attention to detail traditionally associated with Italian manufacturing.

Building on its long-standing leadership in laboratory dyeing, Tecnorama has expanded its offerings with Dyrama 4R, an automated modular system for “Just in Time” small-batch dyeing. Available in multiple configurations and equipped with four independent autoclaves, Dyrama 4R enables round-the-clock operation through a dedicated robotic arm that transfers material holders autonomously. The system ensures consistent results from the very first batch, making it ideal for frequent production changes and micro-batches—an increasingly critical requirement for fashion brands and agile dyehouses.

Dos&Dye® systems are installed in leading dyehouses all over the world, recognized as a guarantee of precision, sustainability, and high-performance color management. By combining advanced automation, eco-conscious vision, and the excellence of Italian engineering, Tecnorama stands as a driving force shaping the next era of textile dyeing. ■ ■