

Emerging market trends advanced by FERMAC decoration systems

Known for their reliability and user-friendliness, FERMAC's versatile systems continue to shape the future of the glass decoration industry. Just recently at Glasstec the company showcased its Black Widow machine, designed for cosmetic packaging decoration, which integrates UV LED technology for faster, eco-friendly production.

For over three decades, FERMAC has consistently delivered stability and trust, both values its global partners have come to rely on. Since its inception as a family-owned business in the heart of Italy, the company's technology has focused upon merg-





ing traditional mechanical systems with modern electronic upgrades - so creating cutting-edge solutions to meet evolving market demands. Its expertise lies in silk-screen printing machines and ink-jet technology for a wide variety of packaging materials - including glass, plastic, ceramic and metal. As CEO Stefano Paini aptly puts it: 'Innovation through tradition.' This year, at Glasstec 2024, the world's most-attended international fair, Fermac was thrilled to launch its next-generation machine - representing true innovation within the company's established know-how.

A LEGACY OF LEADERSHIP

Recent studies indicate that family-owned companies often excel at combining traditional knowledge with innovation. Here Fermac is a prime example, given that skills, expertise and cultural heritage have all been preserved and strengthened over the years through innovation that spans generations. Recently unveiled at Glasstec 2024, its new machine, codenamed 'Black Widow,' is designed to meet specific decoration needs. More than just a machine, it's a veritable ecosystem that opens new possibilities for accessories and future advancements. More specifically,

the system is designed to address the growing demands of all segments in decoration with a particular highlight of the cosmetic and perfumery sectors, which are eager for fresh solutions in packaging shapes, 3D effect printing, new-generation UV LED inks and customizable auxiliary devices for surface pretreatment.

UV LED TECHNOLOGY

The F08S is part of a newly-designed family of machines that integrates such contemporary innovative technologies as UV LED technology - thus offer-

ing fast, eco-sustainable curing solutions that significantly reduce power consumption while lowering carbon footprints. Its ergonomic design has been widely praised by users in the cosmetics field. The platform-free carousel allows easy access to the printing stations, reducing changeover and maintenance times by half, optimising ink consumption and ensuring precise printing. With a flexible robotic automation system that's developed in-house, the machine efficiently handles the loading and unloading of small items of varying shapes and sizes, delivering a decoration output of over 85 pieces per minute. This decoration system, equipped with embedded servo commands, exceeds quality standards, supporting decoration needs for any budget - whether for large-scale industrial demands or smaller production lots.

AN UNCOMPROMISINGLY VERSATILE ACCESSORY LIST

Achieving high-quality finishes is straightforward - all thanks to



TRENDSETTERS



the seamless integration of auxiliary devices. Fermac's FXXS machines, the flagship of the next-generation Fermac Machine & Equipment Ecosystem, are designed to incorporate a full range of dedicated modules and accessories. These include:

- Customised pre-treatment systems with integrated flaming technology or stand-alone systems;
- Antistatic treatment and inflating devices for blow-moulded plastic packaging, particularly suited for cosmetic packaging;
- Lehr stacker systems;
- Registration cameras for the bottom and body of the packaging;
- Inspection cameras for quality control;
- Hot stamping modules - either onboard or inline;
- Fast worldwide assistance.

At Fermac, a consistent belief is that decoration equipment should

deliver user-friendly, long-lasting production capabilities. As a pioneer in digital printing technology, the company was the first to introduce a digital printing machine several years ago. Today, its ink-jet technology complements its silk-screen printing with impressive results worldwide. Designed with operator convenience in mind, Fermac's decoration systems are built for longevity. From installation to production and maintenance, its systems are as straightforward as possible. Here the company's assistance team is known for its strong commitment to serving customers - both before and after equipment installation, thereby ensuring customer needs are met every step of the way.

MACHINES IN REAL-TIME PRODUCTION

The rationale powering the Fermac forma mentis begins

from the logic that nobody would likely purchase a vehicle without test driving it first. Here's why the company offers a real-time experience - allowing customers to see their machines in full production. Whether silk-screen printing with ceramic colours, UV printing machines with integrated pre-treatment or digital printing machines, Fermac provides a live, hands-on experience. This proved especially beneficial for companies that are new to the decoration business - affording them an opportunity to fully understand the technology before making any commitments.

SHAPING THE INDUSTRY'S LANDSCAPE

Over the years, Fermac has cultivated strong relationships with its partners while continuously pushing the boundaries of innovation. Today, the company's R&D managers are working closely with its engineers to deliver the next wave of technological advancements. Moving beyond recently implemented technologies, Fermac is ready to embrace the next phase of applications in the decoration industry. With many companies 'walking on broken glass', 2024 has been a challenging one for the global industry. That said, here the typical provocation of the Fermac team is simply to ask: When something is broken, why not just rebuild it better, stronger and faster than it was before? ■



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