

SUPPLIER REPORTS 2023 (PART 4)

BALDWIN

St. Louis, Missouri: Lee Simmonds, reports, “Baldwin recently introduced three new technologies to the corrugated industry that dramatically improves curing, drying, and cleaning, all of which are gaining traction in North America.



Lee Simmonds

“First is the XP Max LED System, which is engineered for curing wide substrates on printing presses, corrugated rotary die cutters, and conveyor belts. Instead of a legacy one long LED array, XP Max employs numerous 20-inch (508mm) modules. Placed at an angle to allow for overlap of the LED emitting areas, the modules form a continuous UV curing array spanning any needed press or conveyor width.

“The LED-UV modules within the XP Max system can significantly reduce energy and downtime while improving worker safety. LED-UV technology is able to cure ink instantly — with no drying time — using much less energy than either IR or arc UV. Additionally, the modules can be turned off and on, covering only part of the conveyor to save energy when curing smaller stock widths. This also enables individual maintenance by removing single mod-

ules without shutting down the full system. Another benefit is that LED window temperatures are vastly cooler than both IR and arc UV, reducing fire when corrugated falls onto lamp heads.

“Baldwin also introduced its new Ultra Wide FlexoCleanerBrush. The fully automated flexo plate-cleaning system can be up to 126 inches (3.2 meters) wide. There has been great interest in the company’s flagship solution to optimize print quality and improve worker safety in corrugated printing. It automatically removes dust and contamination from the plate in seconds — no need to stop the presses — without stopping the press. It performs full end-of-job plate cleaning and drying in four minutes or less, increasing uptime, improving sustainability, and reducing consumables spending by thousands of dollars per year.

“Fully automatic and spanning the entire plate cylinder width, FlexoCleanerBrush improves safety by eliminating routine operator contact and reduces the risk of wash agents and cylinder nip injuries. Its core is made of carbon fiber, which ensures a stable, uniform, and consistent flexo plate cleaning throughout the whole width of the plate and keeps this wide system to a minimal weight.

“The third Baldwin offering is its FlexoDry Infrared (IR)

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drying system. Designed to maximize press throughput, boost production speeds, and reduce energy consumption, the system employs Diamond-IR lamps to focus powerful IR radiation. Using a unique ceramic reflector, the lamps direct all light to the substrate, saving 30 percent in energy compared with commodity IR lamps.

"We're proud to support the industry by continuing to expand our offerings. We are partnering with new customers across North America to deliver higher productivity, improved quality, reduced downtime, and increased profitability.

"Fueled by 100 years of innovation, Baldwin supplies new equipment to consumers, maintains and services existing equipment with quality replacement parts and provides highly engineered consumables and engineering services, including upgrades and retrofits in addition to regular maintenance." Visit baldwintech.com.

BW PAPERSYSTEMS

Phillips, Wisconsin: Neal McConnellogue reports, "BW Papersystems is an industry-leading manufacturer of corrugated and converting equipment from 'Starch to Finish' for the corrugating industry. We are driven by a commitment to build partnerships, continuously improve, and deliver the highest level of engineering, manufacturing, and services to our clients. This commitment to customer success led our success in 2022 and is pushing our innovation and commitment to excellence as we look towards the future in 2023.



Neal McConnellogue

"Our business objective to accelerate product development efforts as we engineer products and services with the right technology and provide performance and reliability to our clients led to the surge in demand for BW Papersystems products last year. A highlight to the year is partnering with our clients to support them in their current and projected needs with the heavy-duty, ServoPro Rotary Die Cutter, which demonstrates the proven robustness of the MarquipWardUnited product line.

"We continue to support our clients' flexibility with the seamless combination of our mid-size G-Grafix Flexo Folder Gluer and Twin Box Slitter™. We now offer a wider Twin Box Slitter which still uses industry-proven, patented, self-sharpening razor-slitting technology to create two boxes out of one fed sheet, doubling productivity.

"In 2023, we will recognize and celebrate the 30-year history of the Twin Box Slitter, offered only by BW Papersystems. It leads the industry with a fast, easy-to-use machine that requires less time to set up, supports updated technology, and interfaces seamlessly with virtually any Flexo Folder Gluer. Today's machines are wider, faster, require less maintenance, and minimize unscheduled downtime to drive production and the bottom line for our clients

and their customers. The Twin Box Slitter demonstrates our dedication to improvement, customer success, and the industry-leading service that our customers count on us to provide.

"Additionally, we have an expanded and comprehensive suite of Customer Success Services (CSS) to optimize corrugator and converting processes as well as preventative maintenance. This program focuses on increasing available uptime and minimizing unplanned downtime. The CSS team has programs to troubleshoot and teach troubleshooting to your operators and maintenance teams for a systematic approach that prevents or minimizes equipment failures. Our customer training focuses on safety, best practices, preventative maintenance, machine capabilities, and troubleshooting, to keep both operators and machines running safely and efficiently.

"From industry planning to support for the lifetime of our machines, BW Papersystems stands behind our product line and customers." Visit www.bwpapersystems.com.

DURST IMAGE TECHNOLOGY US, LLC

Rochester, New York: Chuck Slingerland reports, "For over 80 years, Durst's commitment to innovation has continuously transformed the digital imaging industry, making us the industry leaders we are today. For several years, this dedication has provided advanced technology to the corrugated printing segment, which has allowed us to expand our offerings to meet present and future needs of corrugated manufacturers and converters.



Chuck Slingerland

"Responding to and anticipating industry needs is what allows Durst to provide the highest quality products. With sustainability and automation being a requirement in today's corrugated market, manufacturers and converters demand solutions that address these needs, without disrupting current business demands. To meet these emerging requirements, Durst offers the widest range of printers, inks and software available for the corrugated market, with solutions for all sizes of converters.

"The Durst P5 350 is a fully automated hybrid solution for multi-pass with UV ink board printing up to 3.5m and reaches, in the High-Speed version, a productivity up to 7 MSF per hour.

"The Rho 2500 can achieve a maximum productivity of 13.450 MSF per hour and a production capacity of 8.6 MSF per hour in the HS version. Multiflex full automation is available with the Rho 2500, achieving a maximum loading and unloading capacity of 380 boards/hour. For corrugated printing, an automated dual track guide ensures that the corrugated boards remain flat, allowing change between board sizes very quickly.

"Multi-pass, short run production with water-based ink: The P5 250 WT is the most productive and sustainable water-based solution with improved efficiency due to 30 per-

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