



KEYSTONE CHOOSES ROLAND EVOLUTION SPEED

THE 20,200 SPH PRESS IS EXPECTED TO DOUBLE OUTPUT AT THE CARTON MANUFACTURER'S NORTHEAST US FACILITY.

Keystone Paper Box & Co. has purchased the 20,200 sph Roland 700 Evolution Speed for its South Windsor, Connecticut facility. Founded in 1944, the privately-held family owned business attributes much of its success to providing a high level buying experience coupled with best-in-class product quality. The company serves a diverse market and recently experienced a large up-tick in demand for cosmetic, pharma and beverage carrier packaging.

When the opportunity to replace its aging fleet of offset presses presented itself, the company turned to Manroland Sheetfed and the Evolution printing press to fill its production capacity and springboard to a new press technology level. The new press is equipped with the latest UV technology as well as embellishment capabilities through an in-line foiling system with indexing and multi-reel foils, coupled with a litany of automation features.

"After researching three of the significant press vendors, we opted for Manroland Sheetfed and the Evolution Speed press," says Jim Rutt, President and owner of Keystone Paper & Box. "The press's technology from the color control and quality systems, the autonomous makeready

features, and more importantly, a fully integrated factory solution for cold foiling gives Keystone a competitive advantage. We're going to be a lot more efficient with this press."

Keystone's 40-inch format eight-color press is fully optioned, equipped with paperboard and smart-card



performance packages for quick changeover and ease of operation and Simultaneous Plate Loading (SPL) for autonomous makeready changeover, exchanging all printing

plates in under one minute while simultaneously washing up the blanket and impression cylinder.

"When I was first introduced to the new state-of-the-art Manroland EVO Speed, it certainly caught my attention," says Bob Papa, Keystone Vice President of Operations.

"Once we took a deeper dive into the features, it became apparent that this machine addresses fast makeready speeds and low waste in our critical short-run segment."

Additionally equipped with Manroland Sheetfed's UV-Total Flexibility package, Keystone is prepared to place Select-Dryer components at any of its eight print positions.

Market Opportunity

Rutt says the press's many features, such as the in-line foiling system, will provide avenues to growth in existing and new markets. "An integrated solution that offers savings we can pass on to our customers by indexing with full or multi-reel setups is a game-changer for us. The lowest savings percentage is 16 percent for the cylinder gap and upwards



Jim Rutt (right) President and owner, and Bob Papa, Vice President of Operations, Keystone Paper & Box.

of 60 percent (layout dependent) with any variable in between."

One of the critical factors for Keystone included the Ecologic Pilot. This feature produces on-demand reports of the kWh utilization on the press.

Keystone's requirements also included knowing its next press investment had to be the fastest production and makeready press available. With the InlineColorPilot system for color quality and control, Manroland Sheetfed delivers an autonomous system; there is no requirement to remove a sheet from the delivery to calibrate the system or create an OK sheet; it can be done in





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quarterly inspections and production monitoring through the TopAnalysis program, where the production and press performance is reported every 30 days and processes in and around the press are continually monitored to optimize press performance.

After the press is installed, Rutt says the next focus will be downstream. “For a company our size our finishing capacity is very strong, we have nine gluers, so our next investment would be in diecutting. There’s a good chance that once we get the press in we will be looking to upgrade our diecutting department,” he says, adding that Keystone recently installed a Gerber Profile die tool production system. ■

the press through the inline system.

The capability of color control is further enhanced with OKBalance, a system developed to measure the solid tones, 50 percent half tones, gray balance mid-tone, and gray balance solid tone of the overprint. This provides Keystone with the capability to print to gray balance. The single most effective measurement on the press considers more than

80 percent of the potential color variations possible, caused by paper, ink, water, and press temperature. The system’s visual metrics will keep color control balanced to the OK sheet, taking into account variations of color/gray balance.

The Evolution Speed will be delivered this summer and will be supported with Manroland Sheetfed’s ProServ360 program with

