

Digital Pre-print Press

HP Inc. is launching two new six-color PageWide ultra high-volume inkjet web presses for pre-print corrugated packaging, the HP PageWide T1190 and HP PageWide T1170. The new flagship PageWide T1190 press offers 67% more throughput productivity compared

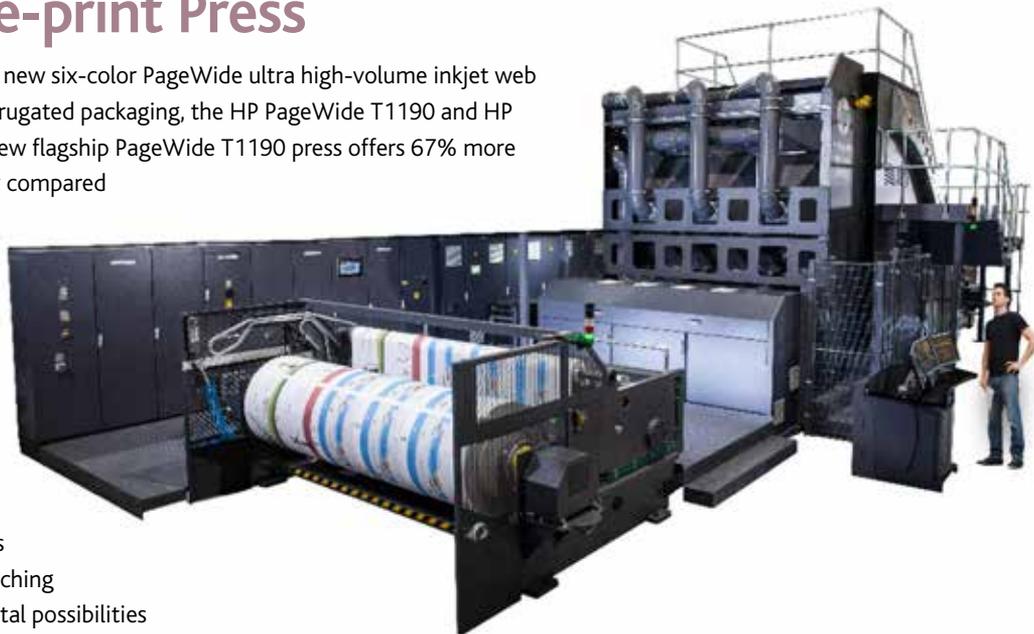
with the current PageWide T1100S, delivering up to 1000 linear feet per minute (305 meters/minute) in six colors at full press speed.

The addition of six-color printing (CMYKOV) also expands the color gamut for matching colors, opening new digital possibilities for brands, including short runs, faster turnaround time, and versioning. The ultra-wide 110-inch (2.8m) thermal inkjet technology web presses are ideal for packaging converters seeking analog-to-digital transformation with high-volume productivity in offset quality for pre-print corrugated packaging applications. Additionally, the presses use HP A30 true water-based inks, containing no UV-reactive chemistries, and requiring no additional barriers for food packaging applications.

The PageWide T1170 prints 600 linear feet per minute (183 meters/minute) in six colors, compared with four-color printing at the same speed on the PageWide T1100S. Both the T1170 and T1190 are suitable for both coated and uncoated media, from 80gsm to 350gsm. Additionally, HP Multi-lane Print Architecture (MLPA) boosts plant productivity by splitting the web into multiple print lanes, so different jobs, with different box sizes and run lengths, can be printed in the individual lanes. Multiple ultra-short or short runs can be queued and printed together while a long run is printed in another lane.

The first PageWide T1190 press will be a field upgrade to the T1100S that DS Smith is installing in its Fulda, Germany plant.

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FOR INFORMATION CONTACT:

HP INC.
www.hp.com/go/corrugatedpackaging

Photopolymer Plate

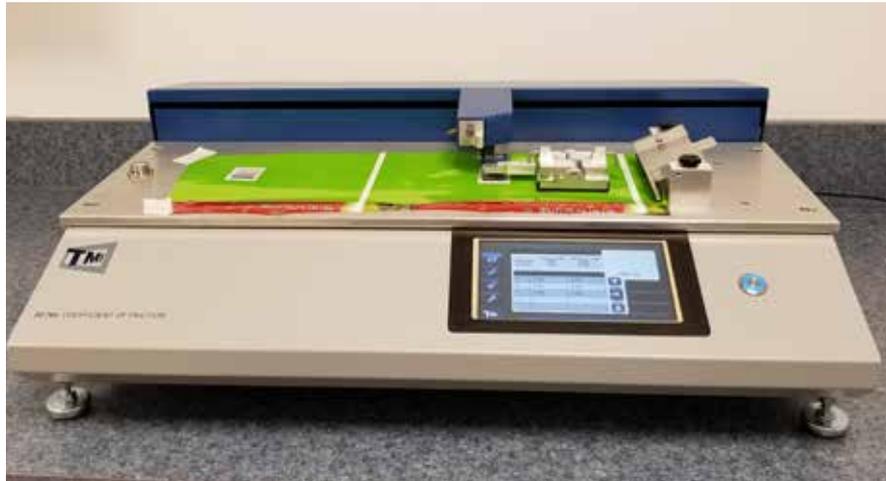
MacDermid Graphics Solutions continues its innovation of flat-top-dot (FTD) technology with the commercial introduction of LUX® In-the-Plate (ITP™) EPIC®. ITP EPIC provides all the benefits of LUX lamination, but with the convenience of flat-top dots. The photopolymer plate offers a unique micro-rough surface for excellent ink transfer for challenging flexographic printing applications or unique ink requirements. The cap layer, specifically developed for the ITP chemistry, ensures the sheet photopolymer renders the best printing outcomes with the most forgiving operation window. "The flexo market cast their vote with a resounding request for MacDermid to combine its market leading capped plate technology with ITP. LUX ITP EPIC provides our customers the ability to increase productivity while improving consistency," said Patrick Mullaney, Vice President – Americas. ITP EPIC is a marriage of first-to-market technologies that enhances print quality and consistency while simplifying workflow. The photopolymer plate has clean print technology, is UV LED compatible and can be processed either in conventional solvents or in MacDermid's LAVA™ Thermal Platemaking System.

FOR INFORMATION CONTACT:

MacDERMID GRAPHICS SOLUTIONS
www.macdermid.com/graphics

Coefficient of Friction Tester

The new enhanced 32-76e coefficient of friction (COF) tester from Testing Machines Inc. uses advanced digital force signaling and high-speed data acquisition software to provide precision and repeatability in COF testing on paper according to TAPPI T549 and for plastic and film according to ASTM D1894 or F88. Improved features include a color touchscreen display, GraphMasterPro PC-software package and intuitive software user interface for easy navigation and test method storage.



The new peel testing capabilities include 180° peel and T-peel measurements and meets ASTM D3330.

Features include a 7-inch full-color digital touchscreen display; high-speed data collection and analysis for precise measurement of static COF with 500 readings during the first second; selectable units (COF or grams); selection of test type-COF/Friction, T-Peel and 180° Peel; selectable units (COF, g, N, kg, lbs, and ounce); and selectable load cells from 5 to 100 N. In addition, the tester automatically reports static and kinetic friction results after measurement.

FOR INFORMATION CONTACT:

TESTING MACHINES INC.
www.testingmachines.com

Moisture Measurement

Kett USA's NIR moisture meters take instant moisture readings of wood chips and incoming fiber and can include checking pulp sheets before pulp mill processing, analyzing the web for wet streaks and uneven drying before or after dryer cans, inspecting incoming roll stock before conversion, and end product quality checks. The handheld devices allow accurate instant measurement of solids, pastes, slurries, and liquids without contact or sample preparation, so there is no contamination in handheld and online models. Once the meter has been calibrated against the lab or production standard, the calibration is stored in the device so no calibration is required in the field.



Measurements are fully traceable to the original measurement method. In addition, because the process is non-destructive, samples remain unaltered so they can be used for additional tests or put back into the product stream. Portable NIR equipment is designed for ease of use. For example, with Kett's KJT130 Handheld Portable Instant Moisture Meter, the user simply points the instrument at the product and the moisture content is instantly shown on a digital display, with results accurate to .01% in a 0-100% measurement range. The unit is operated via user-friendly menu commands. The unit is the size of a camcorder and is designed for frequent spot checks wherever necessary, on both stationary and moving (process line) products.

FOR INFORMATION CONTACT:

KETT USA
www.kett.com

Flexo Sleeve Storage

Without a proper storage system, thousands of flexo sleeves are too often precariously placed on skids that take up massive amounts of floor space and are at risk of being damaged by falling or being hit by lift trucks. With traditional shelving, a large percentage of valuable floor space – which could be used for another press or other equipment – is wasted in the aisles.

Flexopodz® was created to help companies that have no place

to store their flexographic temperature-sensitive printing sleeves, which must be stored vertically to avoid warping. Flexopodz accommodate sleeves, press cylinders, magnetic dies and inks. It is high-density mobile storage created by mounting shelving or cabinets onto a carriage and rail system. All sleeves are stored vertically and are held in place with protective sleeve holders that are track mounted to the top of each storage bay. Its adjustable shelves offer complete flexibility for all sleeve sizes. Mobile storage compacts storage space by eliminating empty space in fixed aisles. It allows flexo print facilities to significantly increase storage capacity and store the same amount of items in half the footprint, saving valuable floor space. Adherence to building permits and safety concerns when building large storage systems is seldom considered – and many storage solutions are unsafe and disorganized. Flexopodz are professionally configured and installed by certified installers located across North America. Staff can customize layout, functionality and even provide custom graphics. Individual Podz can easily be configured to meet anyone's specifications and are field upgradeable to mechanical-assist or fully motorized systems. An optional Spacesaver high-density configuration increases space or capacity by eliminating wasted aisles.



FOR INFORMATION CONTACT:

FLEXOPODZ
www.flexopodz.com