The HP Indigo 20000 Digital Press is a game-changing 30-inch web press bringing the proven HP Indigo capabilities to the high-capacity flexible packaging, label, and shrink sleeve markets.

Through breakthrough innovations and a new wider format, it breaks the digital narrow-web size barrier, enabling converters, for the first time, to produce short-run jobs (up to 5,382 sq. ft.) economically, significantly reducing time-to-market and enabling added-value services to brands, including customization, variable-data printing, and coding/tracking.

According to one HP customer, “With its mid-web format of 762 mm and such high digital capacity, the HP Indigo 20000 is a real breakthrough for label and packaging converters. It takes the run length off the table for most self-adhesive jobs and brings the digital advantage to new markets of flexible packaging and sleeves where digital printing had real limitation—until today.”

The HP Indigo 20000 Digital Press is designed from the ground up to meet the challenging demands of flexible packaging converters, including reverse/surface printing, converting support, and food packaging regulation.

1. The unique HP Indigo ElectroInk and digital offset process deliver superior print quality, interchangeable with gravure, for any application. Up to seven colors, including HP Indigo ElectroInk White, support an extended color gamut, vivid printing, and optimal on-press Pantone emulations.

2. The press is a larger-format version of HP Indigo’s proven narrow-web presses that have set the standard for high-volume, high-quality digital label printing.

3. The press is part of HP Indigo’s new-generation wide-format platform program.

The HP Indigo 20000 Digital Press was designed from the ground up to meet the challenging demands of flexible packaging converters, including reverse/surface printing, converting support, and food packaging regulation.

Convert pain into profit. Flexible packaging converters are suffering today from a decline in job run sizes and are
occupied more and more by setup and less in printing. Using the HP Indigo 20000 Digital Press, converters are freed from using plates or cylinders and can shorten their setup time from more than an hour to few minutes. In the case of printing multiple SKUs, converters can print the job on the fly, without stopping the press.

Perfect registration. HP Indigo 20000 uses a state-of-the-art system for ink delivery. Using one shared plate, all separations are collected onto the blanket. Then, in one shot, all separations are transferred to the substrate. This allows the customers to get perfect registration from the first copy and prevent substrate deformation, even on heat-sensitive materials.

Wide color gamut. The large majority of PANTONE® Colors and spot colors can be emulated on press using the CMYK color set and the HP IndiChrome on-press system with up to seven inks, including orange, green, and violet. This significantly reduces the need for multicolor presses and increases press productivity.

Easy integration into a flexo operation. The 30-inch wide web format facilitates easy integration into current flexible packaging production processes. Digitally printed materials can be converted using standard finishing equipment to create just-in-time, cost-effective short-run applications.

As one of the judges said, “The press provides an innovative solution for the growing flexible packaging market across many industries.”

“The press’s ability to cope with off-the-shelf substrates without the need for pre-optimization is critical for easy operation and cost reduction, since the self-adhesive label market is characterized by a wide matrix of substrates, including various paper and synthetic stocks, and in short turnaround time expected by customers.”

“The new HP Indigo 20000 allows us to offer the digital advantage of high print quality, wide color gamut, and the ability to mass-customize and proliferate their labels also in long runs which were not a good fit for digital production until today.”

The HP Indigo 20000 Digital Press is a larger-format version of HP Indigo’s proven narrow-web presses that have set the standard for high-volume, high-quality digital label printing.