



# HP Indigo Pack Ready Lamination

Indigo printed, ready to pack



## Pack Ready Lamination Solution

**The solution that will revolutionise the digital flexible packaging market is here. High-performance lamination and immediate time-to-market are now possible thanks to HP Indigo Pack Ready, a set of game-changing, post-print converting solutions.**

The dynamic packed goods marketplace requires flexible packaging converters to have the ability to respond with speed and innovation to deliver the right applications to stay competitive and profitable. Digital printing offers higher production flexibility with fast turnaround and reduced waste. Yet conversion to a ready-to-pack product requires finishing processes that can take up to 10 days. To address this production challenge, HP is developing and patenting HP Indigo Pack Ready.

HP Indigo Pack Ready is designed to maximize the value of HP Indigo digital printing for labels and packaging through an ecosystem with optimized HP qualified material and hardware solutions.

The Pack Ready Lamination Solution delivers new value to the digitally printed flexible packaging market with easy access to high-quality, food-grade packaging lamination.

Pack Ready lamination is recommended for experienced flexible packaging converters, and also opens an opportunity for newcomers to expand application range to laminated products.

## Adhesive-free, zero cure time lamination system

Pack Ready lamination creates a high-quality, high-performance composite laminate film without the use of adhesives technology. It provides strong laminate bond strength instantly. In the Pack Ready lamination process, a laminate film with a specially designed thermoplastic polymer layer is heat activated and strongly bonds to the HP Indigo ElectroInk printed layer, creating a new mechanically interlocked molecular architecture.

Commercial availability late 2017.



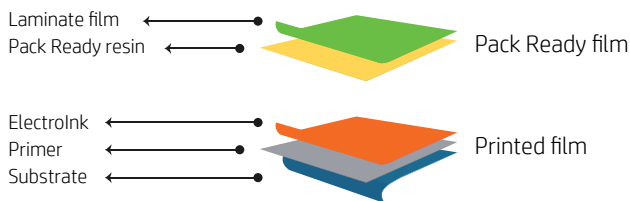
Zero cure time



No solvent used



High performance such as retort



Pack Ready Lamination structure

Pack Ready Laminator vendor

**KARLVILLE**  
BEYOND CONVERTING

Pack Ready film suppliers \*



## Food packaging printing regulatory compliance

All Pack Ready films are food contact grade films and comply with key global food packaging safety regulations under well-defined conditions of use. Since the Pack Ready process does not use adhesives, there is no migration risk of adhesive chemicals, such as isocyanates, when it is used for two-ply lamination. The responsibility for ensuring compliance and safety of the final printed package lies with the printer and the printer's customers.

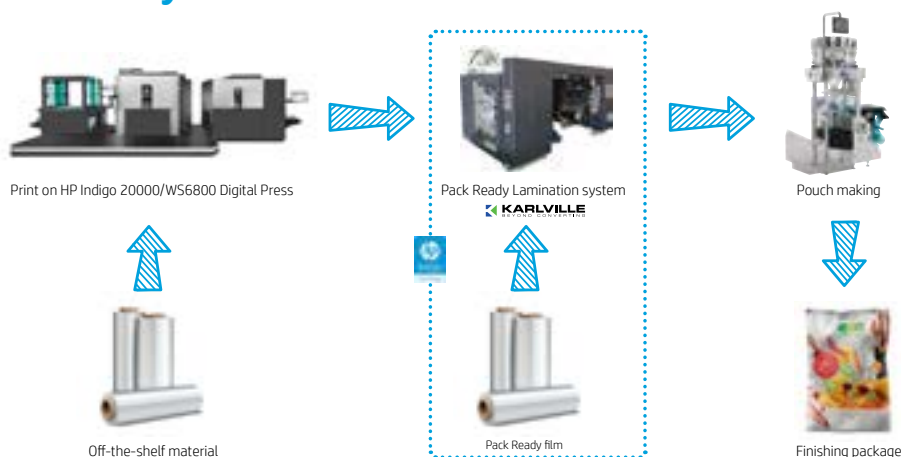
## Sustainability

Pack Ready lamination is designed with the environment in mind. High-performance lamination is achieved without solvent adhesives. The non-use of chemical agents provides a clean production environment. An energy efficient process without drying lowers the environmental impact and carbon footprint.

## HP Indigo Pack Ready community

Pack Ready lamination technology will be licensed to selected vendors in the industry. Together, HP and its partners are building an innovative HP Indigo Pack Ready community to enhance the digital print opportunity for flexible packaging.

## Pack Ready workflow



\* As of March 2017

Learn more at  
[hp.com/go/indigo](http://hp.com/go/indigo)

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This is an HP Indigo digital print.

