

Ebeam Flexible Packaging

Kala Case Study

The Customer

Kala (www.withkala.com) has emerged as a global leader in digital printing, providing flexible packaging to the health and beauty, nutraceutical, and food and beverage markets. Founded in 2002, Kala (formerly Flexible Technologies) is considered a pioneer in digital print as one of the first to purchase an HP Indigo press for the labels and packaging market. After 10 years of perfecting the digital printing model, they turned their attention to engineering a flexible packaging finishing process, enabled by ebeam, that leverages the best quality of digital printing—rapid turnaround. It was during these efforts that they created a process that also transformed food safety. The result for their customers: **flexible packaging without limits, quickly delivered with no compromise to the health of consumers.**



The PCT Solution

The solution for Kala was an Omnia Series ebeam system, rated for 110 kV and capable of speeds up to 400 m/min. The beam also allows Kala the flexibility to laminate thin films by using instantly-cured EB adhesives. It features PCT's patented, integrated shield roll which simultaneously supports and cools the web, while reducing the required volume of nitrogen and providing easy access for maintenance.

Kala's Experience

"The adoption of ebeam technology in our process was not only mandatory for our business model, it was revelatory. We soon discovered the power in being able to turn a job in record time with unseen additional performance compared to our processes prior to ebeam. The flexibility of the line has been an impressive feature. We could not have the same versatility in one machine with any other technology and certainly not at the same price point when considering multiple process steps." - Ryan Chai, Solutions Architect for Kala

-25%

Reduction of
operation costs

+85%

Increased
production

+90°C

Supports
pasteurization

In addition to reduced operating costs and increased production, Kala saw an increase in sales due to more diverse product offerings and improved food safety, all while enhancing and protecting the packaging artwork.