

JABIL

PACKAGING SOLUTIONS

FusePack

Breaking the boundaries of traditional packaging



THE PACKAGING REVOLUTION WE'VE BEEN WAITING FOR

Today, when a brand refreshes or launches a product, they are still faced with the same solutions they had access to 10 years ago: Rigid plastics, flexible plastics, rigid fiberboard, metal and glass. This limited menu of containers, bottles, boxes and pouches no longer meets the needs of modern products that must perform in omnichannel environments with the highest levels of sustainability.



SUSTAINABILITY CONCESSIONS

Transitioning from rigid to flexible packaging may reduce material usage but eliminate the ability to recycle. On the other hand, a move from flexible to rigid packaging may improve recyclability but increase weight, damaging carbon footprint. And many paper formats contain coatings that make recyclability next to impossible.



DESIGN & PROTECTION TRADEOFFS

Often a package may stand out on the shelf but break or need extra packing to remain secure during transit. Conversely when packaging is designed strictly for ecommerce the shelf presentation, merchandising efficiency or desired brand presence may be lacking.

FUSEPACK BREAKS THE BOUNDARIES OF TRADITIONAL PACKAGING

FusePack is a new hybrid packaging structure that combines the best features of rigid, flexible and fiber packaging. The rigid interior frame defines the shape and provides structural integrity while the in-mold label (IML) panels or paper side walls enclose and protect the product. FusePack formats can be manufactured with custom blends of virgin, compostable or bio-based materials (including molded pulp and fiber) allowing for truly next generation, omnichannel packaging formats.



FusePack is lighter, stronger, and more efficient than any other packaging format that has come before it.



MAXIMUM FLEXIBILITY

FusePack's hybrid structure allows for limitless combinations of materials, sizes, shapes and closure styles. Want a hyper stylized, mono-material PP, recyclable format that reduces plastics usage by 70%? FusePack can do that. How about a 100% plastic-free format with paper side walls and an inner rigid frame made of regrind bio-materials? FusePack can do that too.



- Create formats of any size (2oz to 95oz)
- Leverage round or non-round shapes
- Reduce or completely eliminate plastic content
- Provide more intuitive closures options
- Incorporate fiber and bio-materials

FusePack technology gives brand teams the freedom to explore round or non-round shapes – either for volumetric efficiency, functionality or aesthetic reasons. This also provides additional options for closing or sealing the package. The rigid frame creates opportunities for rounded, snap-lid type closure formats that are far more intuitive than zip-based flex pack closure systems.

A FusePack Format for Every Product



Hand creams,
lotions, shampoos,
conditioners



Trail mix, children's
snacks, jerky, candy



Baby cereals,
powdered creamer,
seasoning mixes,
dry ingredients



Cleaning wipes,
sanitizing wipes,
baby wipes



Dish pods, pet food,
laundry detergent,
coffee

This lightweight format is the perfect match for Connected Packaging systems that leverage a durable device with sustainable refills.





SUSTAINABILITY STEP CHANGE

Recyclable in Material Recovery Facilities



A rigid packaging classification allows FusePack to be processed successfully in MRF's whereas flexible packaging cannot be recycled.

Plastics Intensity Reduction



Paper-based variations, with repulpable materials, can achieve 100% plastic-free and can be successfully recovered in the paper recycling stream.

Carbon Footprint Improvement



Weight reduction and maximum shipping efficiency contribute to a lower carbon footprint that pays big dividends across billions of units sold.

Alternative Material Ready



FusePack can be designed with compostable frame and label materials or invisibly embedded with recycled gray or black recycled plastic.



OPTIMIZED FOR OMNICHANNEL

FusePack's lightweight yet strong packaging can withstand the shocks, vibrations and bumps associated with ecommerce delivery. Where other packages may crack or deform, spoiling product or diminishing the unboxing experience, FusePack's lightweight design allows it to flex throughout transit, accommodating impact forces, pressure changes and temperature fluctuations. A rigid frame, and the option for non-round shapes, maximizes shelf density and ensures the product always faces the customer.





MAXIMUM SUPPLY CHAIN EFFICIENCY

Nested Shipping For Logistics Density



FusePack can be stacked in transit from Jabil manufacturing plants to customer filling sites.

Higher Filling Efficiency



A stable, flat bottom design allows for highly efficient rotary filling when transitioning away from flexible pouches.

Strong Rigid Frame



The hybrid structure simplifies pack-out and meets top load forces required for palletization at a fraction of the unit weight of legacy alternatives.

Maximized Volumetric Efficiency



Non-round shapes mean less air shipped and more units on shelf with faster, more effective merchandising.



IMPROVED BRAND PRESENTATION

FusePack's IML panels are the perfect canvas for high definition, 360-degree graphics that stretch from one edge of the package to the other. Printing in the flat allows for highly detailed graphics with a color range that dazzles on the shelf and inside the home. The inner rigid frame ensures that the product always stands tall on the shelf, facing forward with clean, well-defined lines and maximum brand exposure. At the same time, FusePack's flexible properties eliminate the issue of dented boxes, cracked plastic and crushed product. The result? Every user experience unfolds exactly as envisioned, from start to finish.



THE JABIL DIFFERENCE



MATERIAL SCIENCE EXPERTISE

FusePack eliminates a substantial amount of packaging material while maintaining product freshness and protection. Jabil leverages its materials R&D lab in Chaska, MN to produce the custom laminations, coatings and additives that make FusePack possible.



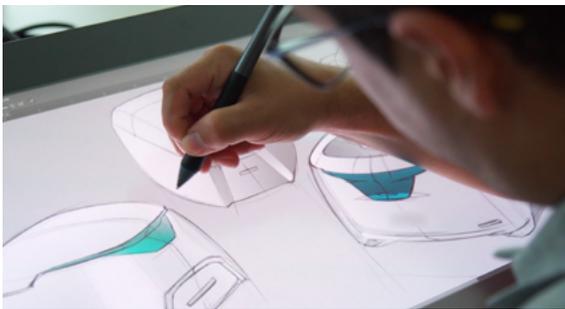
ABILITY TO SCALE

High cavitation IML manufacturing is complex, requiring deep expertise in advanced automation. Jabil's world leading IML capability and a strong commitment to Factory of the Future (FOF) allow us to provide our brand customers with innovative packaging solutions that can scale to billions of units across multiple geographies.



STRATEGIC GLOBAL FOOTPRINT

Jabil Packaging Solutions has over 3,300 employees across 8 global sites that encompass more than 1.8m square feet of manufacturing space. This network of R&D centers, high cavitation and pulp molding sites, tool shops and device manufacturing centers provide customers with optimal solutions for their unique supply chains.



PACKAGE DESIGN & FUNCTIONALITY

The JPS industrial design team is tightly integrated with engineering, resulting in product designs that excel in high volume environments. Jabil has one of the world's largest scale IML productions resulting in invaluable process knowhow.

About Jabil Packaging Solutions



Jabil Packaging Solutions, headquartered in St. Petersburg, Florida, enables food and beverage, home, personal and professional brands to create differentiated products in areas including intelligent, active, rigid and sustainable packaging, as well as consumer devices. Purposeful innovation, advanced conversion capabilities and best-in-class manufacturing practices are just some of the drivers that enable us to co-develop game-changing packaging for our customers.