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Sustainable packaging problem solved with infinitycore liners

Case Study:

Life Science Company A

Industry:

Life Sciences

Our Website:

cmsgreen.com

CASE STUDY

About the Customer

Life Science Company A is a world leading pharmaceutical and Fortune 500 company. The use of science to sustain life is at the foundation of all that they do. Discovering, developing, manufacturing, and commercializing vaccines, medicines, diagnostics, and other technologies is the heart of their business. Their drive is rooted in nurturing our world and humankind by advancing care for all.

Alongside what they do, Life Science Company A is personally striving to be the most sustainable life sciences company in the world! They are committed to building a better future for people, animals, and the planet--and that starts with their committment to sustainable practices and stewarding resources responsibly to minimize their impact on the planet.

The Problem

Sustainable vision needs application

Previously, Life Science Company A was using styrofoam coolers to transport their vaccines (which require stable temperatures to maintain their potency). They spent over 2.5 years searching for a sustainable replacement for these 2" EPS coolers, which are made from virgin materials. They explored different options from paper/starch to cotton, but these materials couldn't serve as solutions to their problem as they couldn't achieve the thermal performance that was required for the transport of their vaccines and medicines.

But with Life Science Company A's sustainability initiatives, they hoped to find a solution that was capable of their product needs while embodying their mission as a company to champion a more sustainable future, especially within the life sciences industry.

After many additional months of research and testing in order to find the most efficient sustainable packaging that would meet product needs, Life Science Company A switched to cardboard coolers insulated with **infinitycore** PET lining.

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Strategizing a Solution

At CMS, our goal is to create sustainable solutions using recycled materials. When it came to finding a sustainable solution for Life Science Company A, **infinitycore** fulfilled their vaccine product needs and fit their green initiative. Our custom engineered 1.875" thick PET liners @ 1,300 GSM exceeded the thermal requirements while being thinner than the initial 2" EPS coolers.

Plus, upon receiving shipment, Life Science Company A customers can now easily reuse or recycle our material from within the cooler. This was another way **infinitycore** has strategically benefitted Life Science Company A, because our product has allowed them to eliminate their previous "cooler return program" which was in place with the styrofoam EPS coolers. The removal of this program has saved the company six figures annually! Switching to **infinitycore** has really paid off, in more ways than one.

Results

As a result of Life Science Company A switching their shipping containers from EPS to **infinitycore** PET, these new, sustainable containers by CMS are expected to annually save:

- **72,000 gallons of fuel**
- **750,000 ft^3 of landfill space**
- **1.6 million pounds of carbon emissions**

Cost Savings Opportunity #1

Eliminated cooler return program which saved the company six figures anually

Cost Savings Opportunity #2

By slightly reducing dim weights from 2" to 1.875", this allowd the company to reduce their overall box dims by a 1/4"

CMS Added Value

We offered the company a turnkey kitting program that elimiated operational costs and extra touchpoints for the customer. They now receive kitted boxes that are ready to be packed out upon arrival!

CMS also provides Customer Support for national accounts, effectively servicing several facilities across the country (seven different sites nation wide!)

Conclusion

In the U.S., Life Science Company A has fully transitioned to using sustainable shipping coolers for transporting their vaccines to customers. **Infinitycore** has allowed them to safely ship their products using sustainable packaging, knowing that the PET liner will thermally perform and keep temperatures regulated. This has allowed their company to continue moving towards building a more sustainable future and to set the standard within the life sciences industry that eco-friendly can be both effective and empowering!

CASE STUDY

sustainable solutions made possible