

Packaging created for the world's leading brands.™

Company Overview





About L&E International Ltd.

Packaging Services



Brand Design



Engineering + Testing



Supply Chain



Production



L&E a private company began business in the 1960's



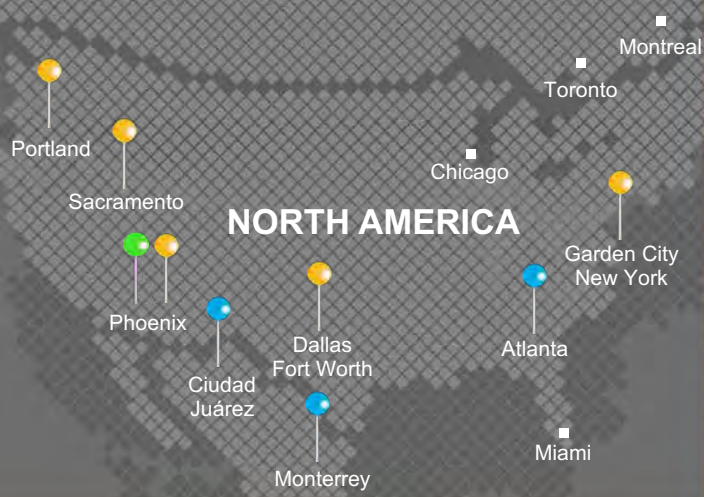
Our clients include leading brands and retailers

300+

Packaging professionals in Asia

We Support





KEY:

- L&E Office, Design Center, Testing Lab
- Managed 3rd Party Manufacturing Location
- In-House ISTA Testing Lab



We create packaging for some amazing brands...



YEEZY



verizon

ecco



PEGATRON



Walmart



Clarks



Crate & Barrel

FOXCONN



Disney

TRADER JOE'S



BURROW



wistron



nickelodeon



JOCKEY



World-Class Packaging Design and Engineering

Engineering / Testing

Eliminating plastic packaging.

Speed to market.

Design to reduce total cost ownership.

- Faster factory pack out times.
- Better container loading



In-House Package Testing

- ISTA certified
- Uniform SOPs in all regions
- Fail fast

Linh Lam Ngoc



Certified labs in USA, India, China and Southeast Asia
ISTA 3 and Amazon ISTA Series 6
Tappi TÜV materials testing



Print Quality Control

- Process driven
- Uniform SOPs across all BUs
- Color management printing
- X-Rite + Pantone ColorCert



L&E manages a large international network of packaging suppliers

- Our lean model allows us to move fast and invest where needed.
- Factory certifications: FSC™, Social Responsibility, ISO, etc.



A Metric for Measuring Improvement

Current
(Expanded Polystyrene)

V.

New (L&E) Solution
(Molded Fiber OCC Mix)

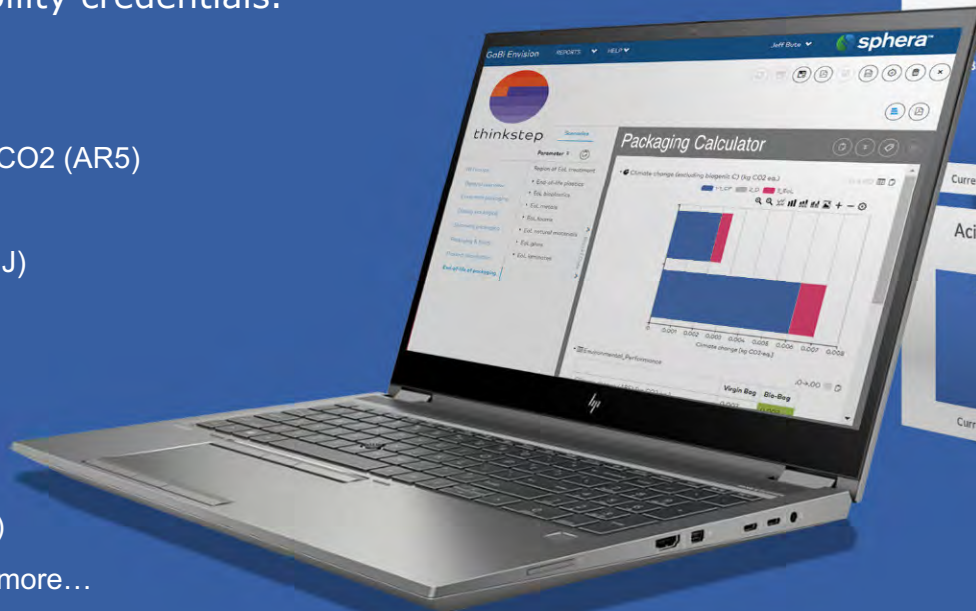
thinkstep™

GaBi™ Packaging Calculator

We will differentiate your packaging showing verifiable, sustainability credentials.

We Measure:

- Climate Change inc. Bio CO2 (AR5)
- Climate Change (AR5)
- PED, Non-Renewable (MJ)
- PED, Renewable (MJ)
- PED, Total (MJ)
- Acidification (TRACI)
- Eutrophication
- Smog Formation (TRACI)
- Water Consumption and more...



L&E. Amazon packaging support and supplier network [APASS] member.

- SIOC Ships In Own Container.
- FFP Frustration Free Packaging.
- Amazon A6 ISTA Package Testing.
- Packaging Manufacturing in USA and Asia.





2

Portfolio Examples

Musicians, celebrities and athletes use L&E packaging



L&E. Packaging created for the world's leading brands.

More than just boxes...



Printed Tissue Paper



Japanese brands...



German brands...



American brands..



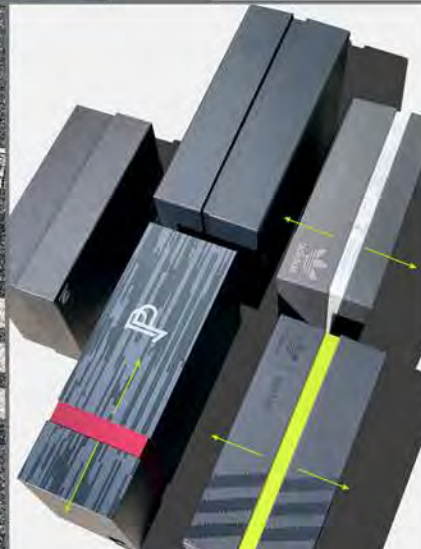


Complex structural design



It's in the

Details



Shopping bags





Image courtesy of Seamans

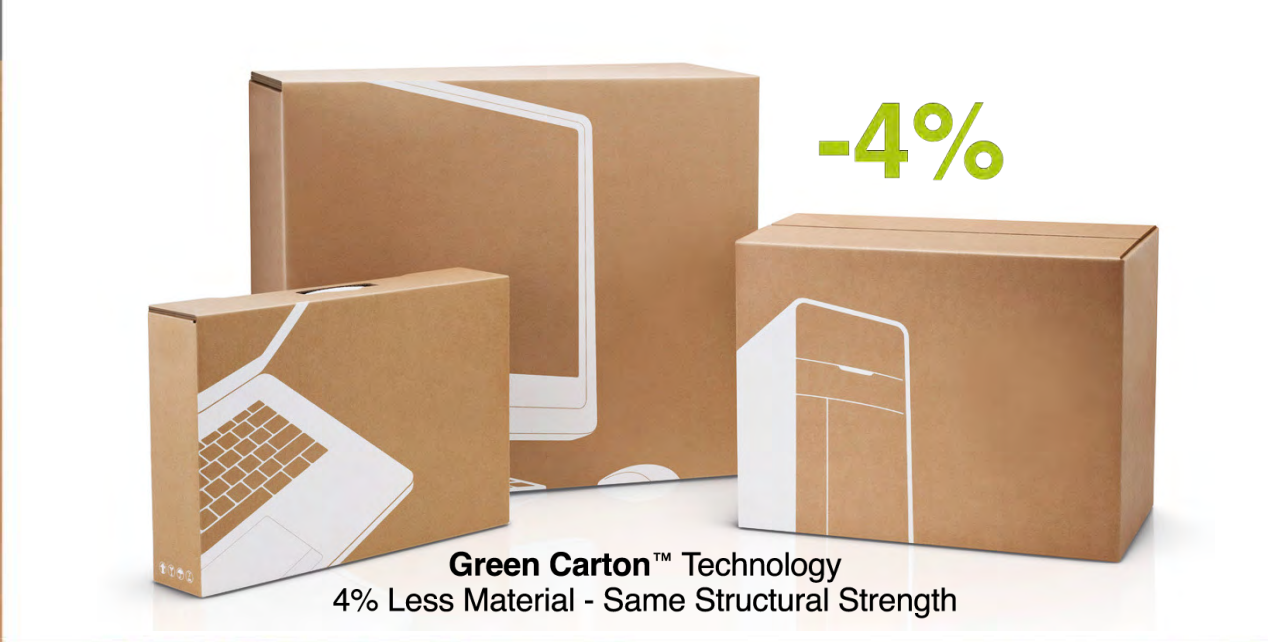
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Dust Bags





Made with recycled paper



Ecodesign

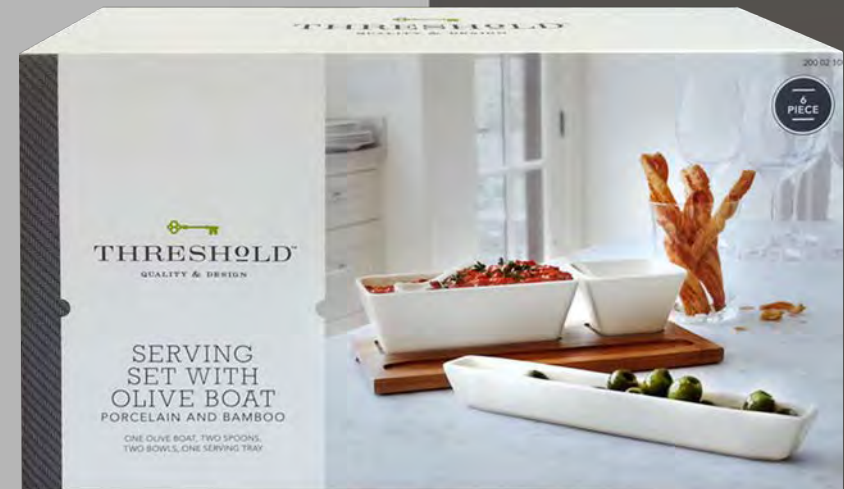
Innovative Structural Design for E-Commerce



HAND MADE RIGID SETUP BOXES



Private label
for Target



Corrugated Packaging



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Private label food...



Food Certified Packaging



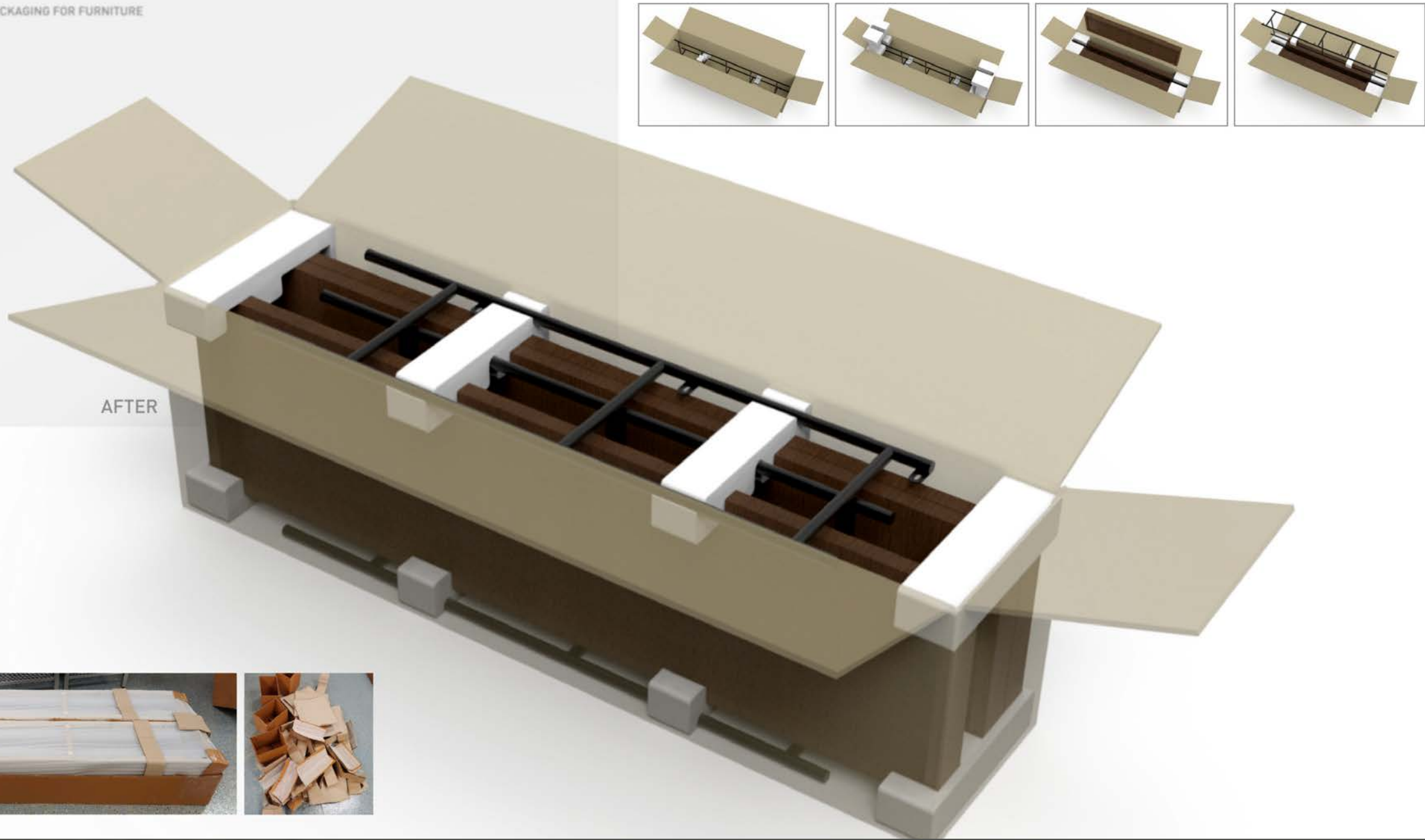
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Material exploration



CUSHION COMPARISON





BEFORE





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SIOC Packaging



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Process: **Wet Press**

Material: **Bamboo + Bagasse**

Production Location: **Kunshan, China**

Molded

Fiber...



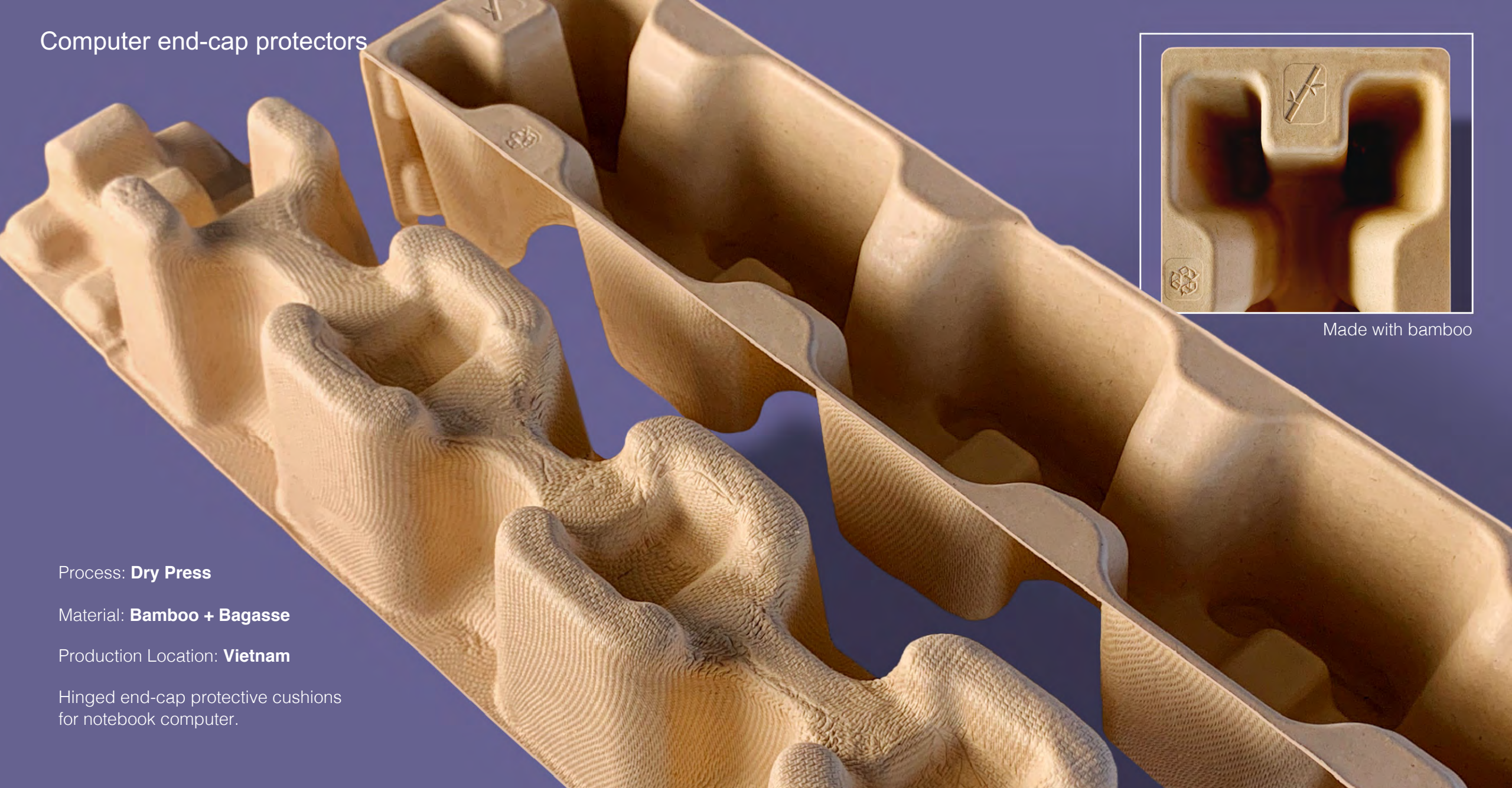
Front



Back



Computer end-cap protectors



Made with bamboo

Process: **Dry Press**

Material: **Bamboo + Bagasse**

Production Location: **Vietnam**

Hinged end-cap protective cushions
for notebook computer.

Molded fiber boxes



Biobased plastic bags

- Made from plants + virgin and recycled PE.
- 30+% less petroleum = Same test performance.
- No heavy metals.
- Recyclable and biodegrades under certain conditions.
- Production in China and India.

A Plastic Bag by L&E
For the Circular Economy



Typical PE Bag



V.



L&E Bio Bag

STRENGTH / PERFORMANCE	BASELINE	SAME
PRINTED USING WATER BASED INKS	YES	YES
NO HEAVY METALS	YES	YES
RECYCLED RESIN	UP TO 5%	15% or more... ***
BIO (PLANT BASED) CONTENT	NO	15%
TOTAL MATERIAL WEIGHT	4.7 OZ	3.5 OZ or less...
RECYCLABLE	YES*	YES*
BIODEGRADABLE	NO	YES**
COST		\$0.53 (Made in India)

NOTES:

*Although technically the material can be recycled it is highly unlikely the bag would get recycled because municipalities do not have the correct machinery.

**L&E Biobased bags have been ASTM tested and show to biodegrade. However since we can not guarantee the consumer will dispose of the bags in an environment conducive to biodegradation this claim should NOT be made.

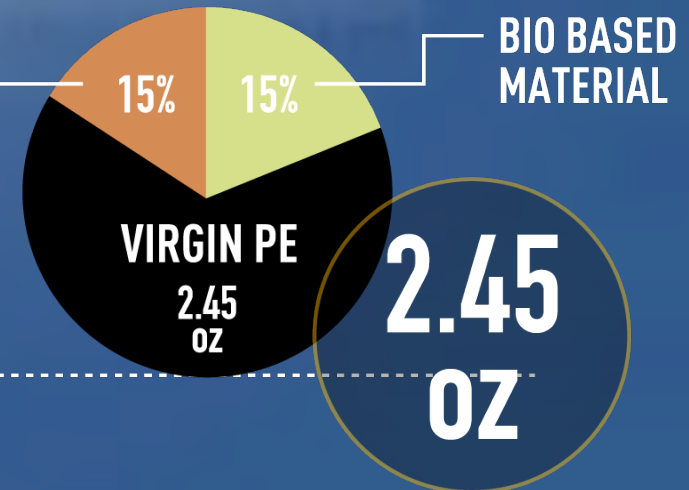
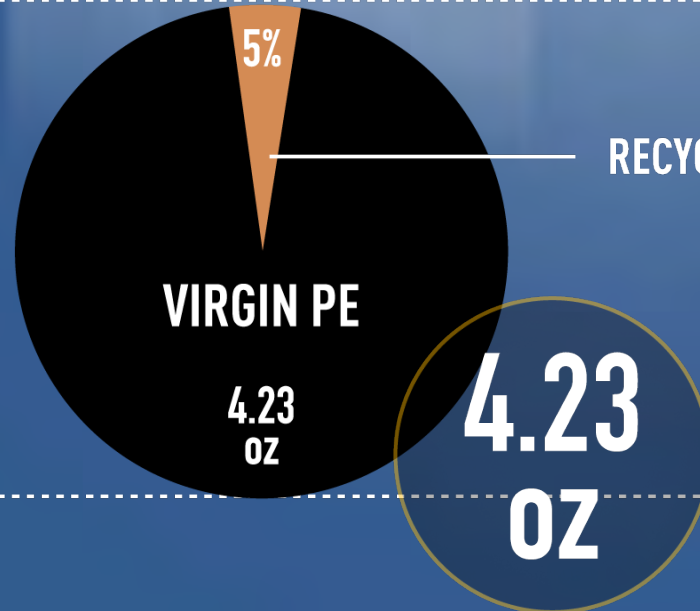
***Of the non-plant based material in our bag, up to 100% of the remaining plastic material can be recycled. However, the higher the recycled content the more expensive the bag costs. Thus 15% is our recommendation.

Typical PE Bag



V.

L&E Bio Bag



Thank You

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