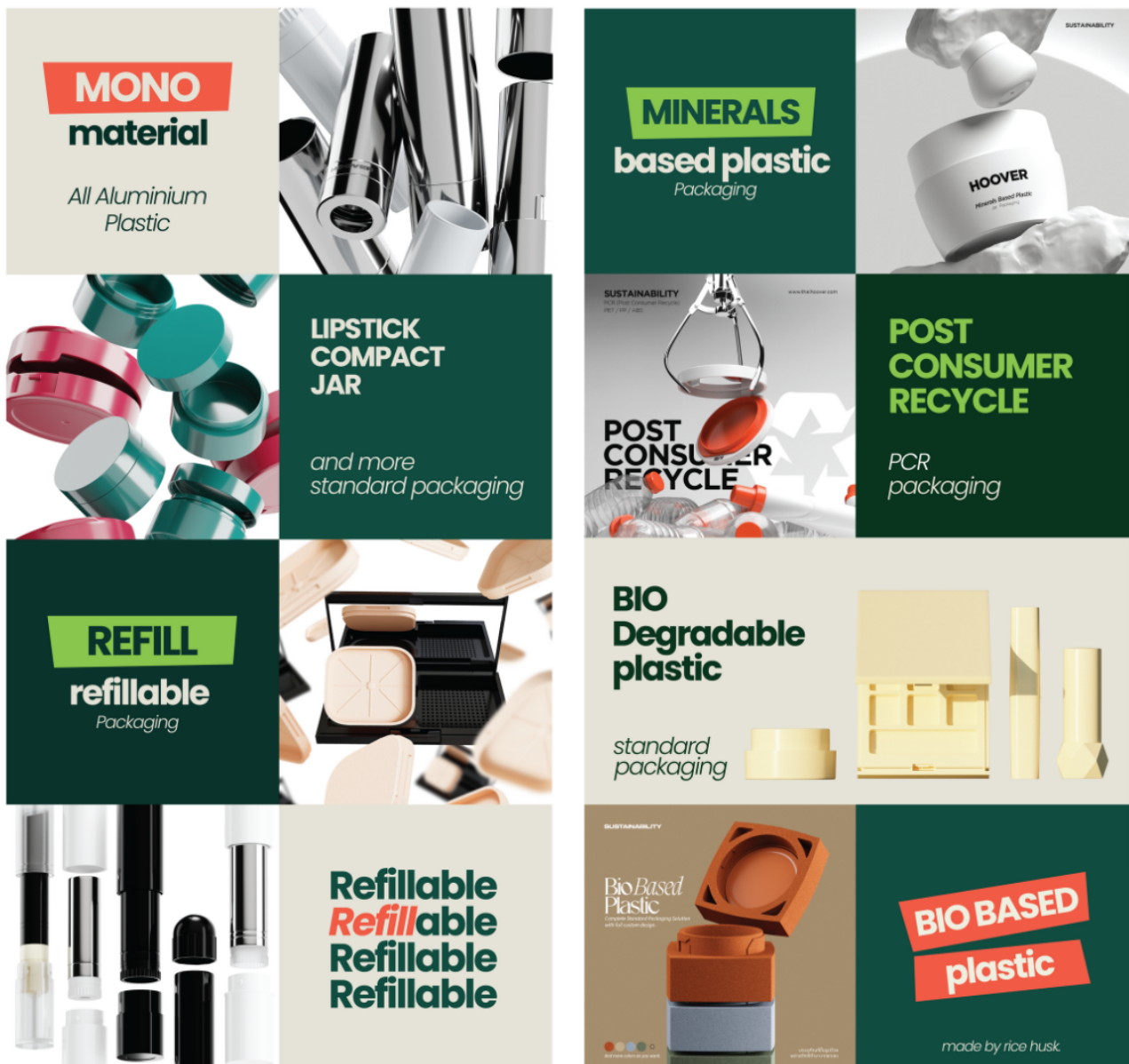




THAI HOOVER INDUSTRY CO.,LTD

SUSTAINABLE

PACKAGING



REFILLABLE PACKAGING / MONO MATERIAL PACKAGING / BIO BASED PLASTIC PACKAGING /
BIODEGRADABLE PLASTIC PACKAGING / MINERALS BASED PLASTIC PACKAGING / POST CONSUMER RECYCLE PACKAGING

SUSTAINABILITY

REFILLABLE



Refillable Packaging



Reduce Single-Use

All Type **Aluminum** and **Plastic** Material

Refillable Packaging

refers to packaging designed to be reused by replacing the product inside after it has been used up, rather than discarding the entire package.

Benefits of Refillable Packaging in Cosmetics:

1. Reduces Single-Use Packaging and Supports the Circular Economy
 - Refillable packaging reduces the need for single-use packaging and promotes a circular economy, where resources are reused and recycled rather than discarded.
2. Meets the Demands of Modern Consumers
 - Attracts environmentally conscious consumers and helps build brand loyalty by aligning with sustainability values.
3. Reduces Long-Term Costs
 - Consumers only pay for the refill product, while brands can reduce the cost of producing new packaging each time.
4. Differentiates the Brand
 - Enhances the brand's image as an environmentally responsible company, creating a competitive edge in the market.
5. Increases Sales Value
 - Attracts consumers willing to pay a premium for sustainable products

SUSTAINABILITY

MONO MATERIAL



Mono Material Packaging

Mono Material Packaging

refers to packaging made from a single type of material, such as a single type of plastic or metal.

Benefits of Mono Material Packaging in Cosmetics:

1. Easier Recycling Process
 - Recycling is simpler compared to packaging made from multiple materials or different types, which need to be separated before recycling.
2. Cost Reduction in Waste and Material Management
 - The ease of recycling lowers the costs associated with waste management and material processing.
3. Reduces Resource Usage and Waste Sent to Landfills
 - By using only one material, mono material packaging helps reduce the consumption of resources and the amount of waste sent to landfills.



Lipstick Packaging

All Type **Aluminum**
and **PP , PET**
Plastic Material



Powder Compact
and Jar

PET Plastic has properties ranging from semi-rigid to rigid, depending on the thickness, and is highly durable.
PP Plastic is flexible, making it ideal for packaging like containers that require opening and closing mechanisms.

Mono Material
Packaging

SUSTAINABILITY

BIO BASED PLASTIC



Bio Based Plastic Packaging

BioBased Plastic Packaging



Original color from
Rice husk.

Bio-Based Plastic

is made from renewable natural resources, offering an environmentally friendly alternative to traditional petroleum-based plastics, which are non-renewable.

Common Materials Used

Rice Husk : Can be molded using all types of molds. The resulting products are light brown with a muted tone. Colors can be added, but the finish is not as vibrant as conventional plastics.



**And more colors
as you want.**

Benefits of Bio-Based Plastic Packaging in Cosmetics

1. Eco-friendly and biodegradable, helping reduce plastic waste and environmental contamination.
- 2.Reduces dependency on non-renewable resources like petroleum.
- 3.Emits less greenhouse gas during production compared to petroleum-based plastics, supporting sustainable development

SUSTAINABILITY

BIO-DEGRADABLE PLASTIC

Biodegradable Plastic Packaging



Biodegradable Plastic

is designed to break down through natural processes involving microorganisms, sunlight, and moisture. Unlike conventional plastics, which may take hundreds of years to decompose, biodegradable plastics break down into water, carbon dioxide, and biomass within a much shorter period.

PLA (Polylactic Acid)

A biodegradable plastic derived from lactic acid obtained through the fermentation of plant-based sugars, such as corn and sugarcane.



Can be injection-molded for use in a wide range of cosmetic packaging including jars, lipstick tubes, blush containers, and compacts. The natural color is a soft yellow (from corn husk), and can be customized as needed.



Benefits of Biodegradable Plastic Packaging in Cosmetics

1. Decomposes naturally without leaving toxic residues, especially in controlled environments like industrial composting facilities.
2. Reduces the use of limited natural resources, replacing fossil fuels with renewable plant-based materials.
3. Supports sustainable production and consumption by minimizing waste and maximizing resource efficiency.
4. Raises consumer awareness and encourages participation in environmental protection.

SUSTAINABILITY

MINERAL BASED PLASTIC



Minerals Based Plastic Packaging

MineralsBased Plastic Packaging



Minerals-Based Plastic

Minerals-based plastic incorporates natural mineral fillers into plastic formulations, enhancing properties such as strength, rigidity, and heat resistance.

Common Minerals Used

- Calcium carbonate
- Talcum
- Kaolin (China clay)

Complete standard packaging solution with **full custom design**.

Benefits of Minerals-Based Plastic Packaging in Cosmetics

1. Chemically stable and non-toxic.
2. Safe and environmentally friendly, with some biodegradability depending on the formulation.
3. Reduces reliance on petroleum-based plastics by partially replacing them with naturally occurring minerals.



SUSTAINABILITY

POST CONSUMER RECYCLE



PCR (Post Consumer Recycle) Packaging



Post-Consumer Recycled Plastic (PCR Packaging)

PCR plastic is made from recycled plastic materials that have already been used and disposed of by consumers. These materials are collected, processed, and reformed into new packaging, helping close the loop on plastic use.



Complete standard packaging solution with full custom design.



Materials Used in Our PCR Packaging

Recycled PP (Polypropylene)
PET (Polyethylene Terephthalate)
ABS (Acrylonitrile Butadiene Styrene)

Benefits of PCR Packaging in Cosmetics

1. Reduces the need for new raw materials derived from nature, such as petroleum.
2. Minimizes plastic waste and reduces landfill volume.
3. Lowers environmental impacts of plastic production, such as greenhouse gas emissions.

SUSTAINABILITY

THAI HOOVER INDUSTRY SUSTAINABLE ACTIVITIES AND EVENTS

Ms. Tipnapa Damrongvatanapokin, Director of Business Development at Thai Hoover Industry Co.,Ltd. participated in the "Green Transition Academy – Batch #1" program and was honored to win the first prize in the "Green Transition Strategy Awards" for her outstanding greenhouse gas reduction strategy.

the First Prize in the "Green Transition Strategy Awards"



Thai Hoover Industry Co., Ltd. is one of Thailand's leading full-service cosmetic packaging manufacturers. The company has been proactively adapting its operations through various sustainability initiatives, such as the adoption of recyclable materials, the development of environmentally friendly products, and the reduction of waste throughout the production process. Transitioning toward a green business is not merely about regulatory compliance for Hoover Industrial — it is a key strategic direction that enables the organization to achieve sustainable competitiveness on a global scale.

SUSTAINABILITY

THAI HOOVER INDUSTRY SUSTAINABLE ACTIVITIES AND EVENTS



Ms. Tipnapa Damrongvatanapokin, Director of Business Development at Thai Hoover Industry Co., Ltd. was invited as a guest speaker at COSMO TALK, where she delivered a presentation on the topic "Sustainable Packaging and Ethical Considerations in Beauty."

Guest speaker at **COSMOPROF CBE ASEAN BANGKOK** about Sustainability



COSMOPROF CBE ASEAN BANGKOK

Thai Hoover Industry participated in COSMOPROF CBE ASEAN Bangkok, held at the Queen Sirikit National Convention Center. The company's exhibition booth showcased innovative solutions and provided insights into sustainable packaging, attracting strong interest and positive feedback from visitors throughout the event.