



Environment pulp and
packaging Co., Ltd.



The alternative resource
for our world

BAGASSE

The biodegradable option that won't
harm environment and provide many
advantages over other materials.



MEET BAGASSE PACKAGING, THE MOST SUSTAINABLE ONE YOU CAN FIND



MADE FROM 100% BY-PRODUCT,
ZERO WASTE AT THE CORE
ZERO DEFORESTATION



100% HEALTH SAFETY,
ORIGINATED FROM SUGARCANE
AS AN EDIBLE RESOURCE
WITH THE TOP FOOD QUALITY
CONTROLLED PROCESS



COMPATIBLE WITH ALL FOOD,
HOLDING FREEZE AND HOT
WITHOUT ANY EFFECT
TO THE FOOD TASTE

EPAC

BAGASSE
PACKAGING



Introducing **EPAC** Bagasse Packaging

EPAC bagasse packaging proved the concept of bio-circular-green within the Nakhon Sawan Bio Complex (NBC). We control and manage overall production processes. The products delivered to your hands are manufactured, focusing on values embracing sustainability, quality and health safety with the ability to biodegrade back to nature within 30 days.

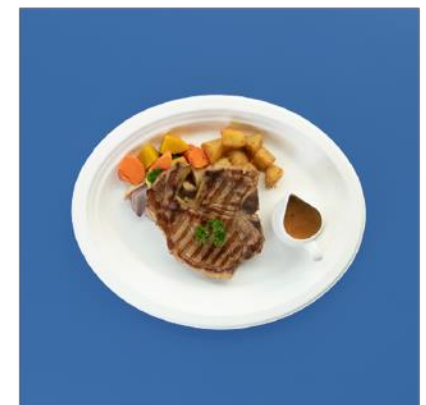
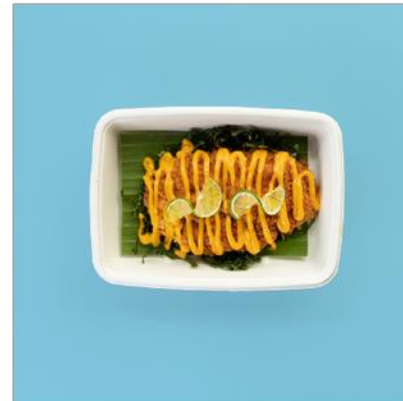
**— PRESERVE AND PROVIDE,
FOR NATURE AND FOR YOU**





Range of products Bagasse in design

Meet our product lines in both mass scale
and tailor-made designed products.





STORY EPAC

THE **BAGASSE PACKAGING
MANUFACTURER**
FROM **BIO COMPLEX** UNDER
BIO-CIRCULAR CONCEPT
FOR INCLUSIVE AND
SUSTAINABLE GROWTH



EPAC

WITHIN

NBC



EPAC

within

Nakhon Sawan Bio Complex (NBC)

EPAC is a part of KTIS's sugarcane bio complex alongside with sugar factory, bagasse pulp mill, bioethanol factories, biofertilizer plant and biomass power plants. We always strive for the full potential of sugarcane in extensive ranges of sustainable products.

The first sugarcane bio complex in Thailand





Nakhon Sawan Bio Complex (NBC)

- 1 KTIS Sugar Factory
- 2 Fertilizer Factory
- 3 Ethanol Plant
- 4 Biomass Power Plant
- 5 Pulp Mill and Bagasse Pulp Packaging

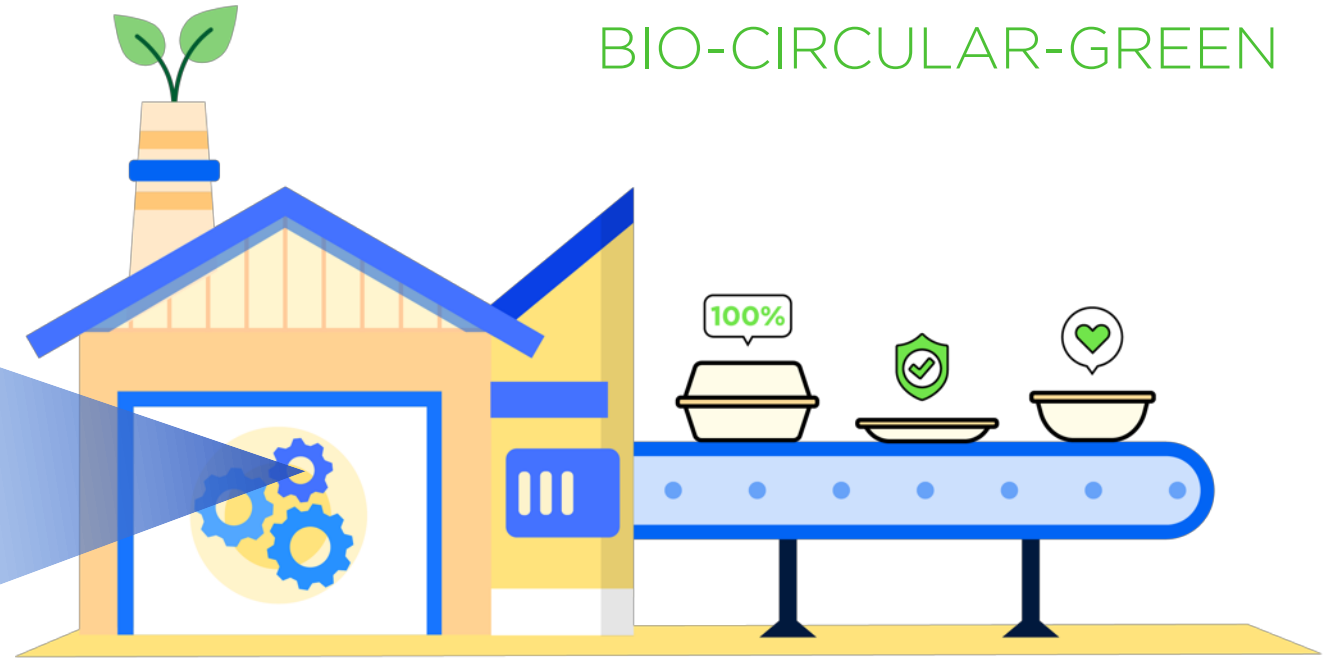
EPAC

DRIVEN BY
BCG



BCG MODEL

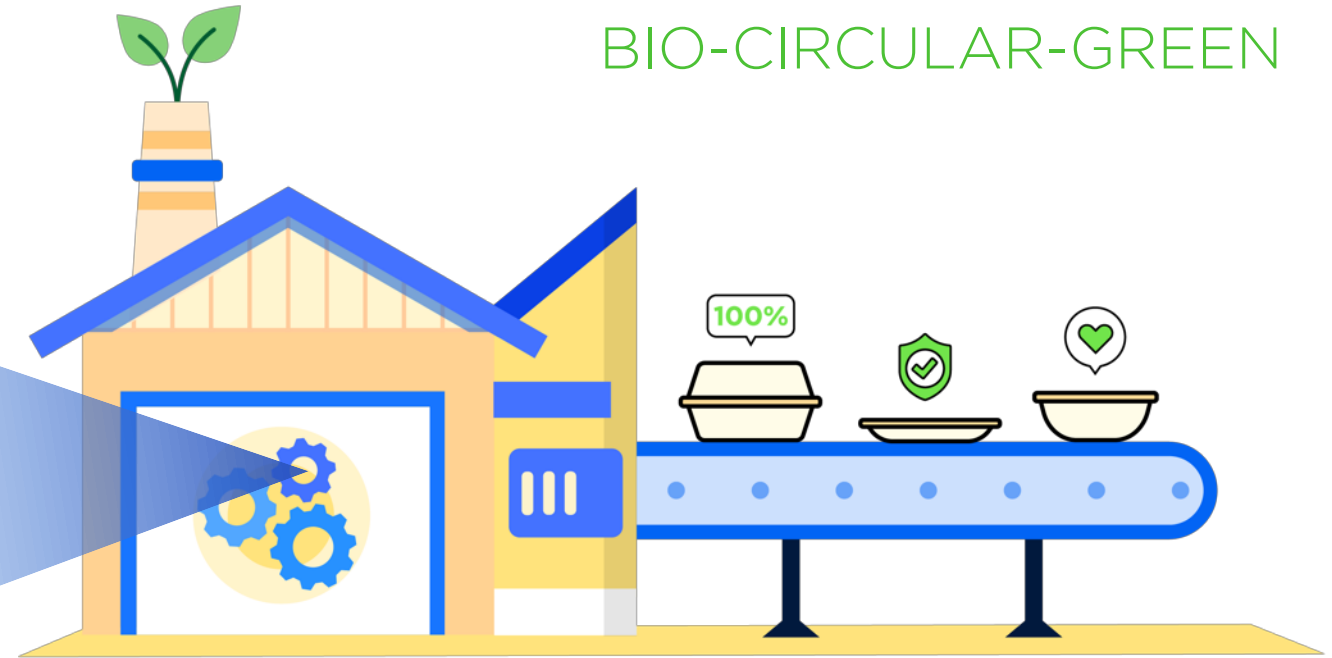
BIO-CIRCULAR-GREEN



BIO-CIRCULAR-GREEN CONCEPT IS INTRODUCED BY THE RESEARCH COMMUNITY AND PROMOTED BY THAI GOVERNMENT AS A NEW ECONOMIC MODEL TO ADD HIGHER VALUE IN BIOCHEMICAL-AGRICULTURAL INDUSTRIES IN THE FUTURE.

BCG MODEL

BIO-CIRCULAR-GREEN



EPAC WITHIN NBC IS PROVED TO ENABLE THE CONCEPT OF BCG ECONOMY PRACTICALLY AND OPTIMALLY, TO BE THE LEADER IN BAGASSE PACKAGING INDUSTRY.

VISION

‘KEEP MOVING FORWARD, SUSTAINABLE PACKAGING DRIVEN BY BIO COMPLEX’

NBC is the most efficient engine that drives the bio-circular concept. We use the engine to manufacture high-quality daily life packaging products for better well-being.





Meet EPAC's Whole Sugarcane Supply Chain

The proof of bio-circular concept –
concrete values directly provided by EPAC :
Sustainability, Top Quality and Health Safety

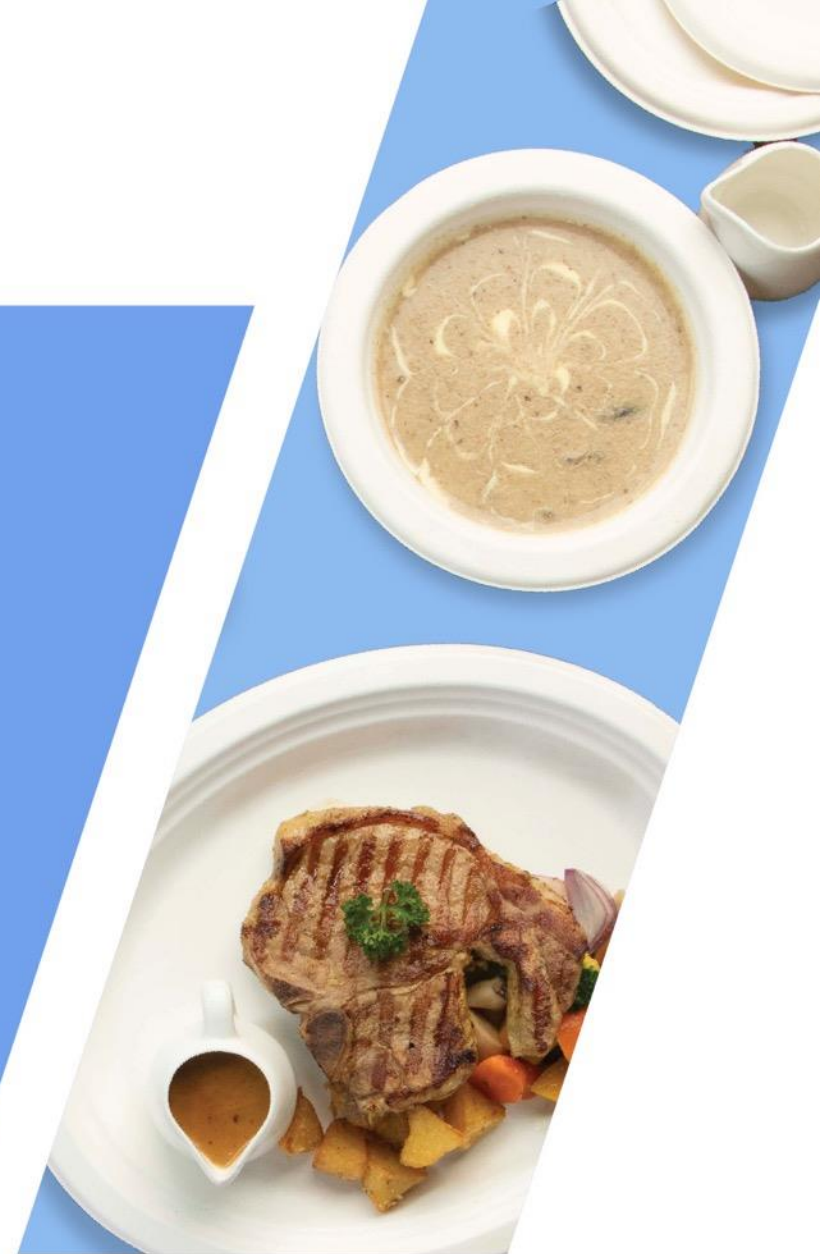
THE CIRCLE OF BIO COMPLEX

THE CIRCLE OF BIO COMPLEX



EPAC

CORE
VALUES



Sustainability

from start to finish

Sugarcane is the renewable source of raw materials absorbing thousands of tons of CO₂ as carbon sequestration. We support the sustainability starting in the farm guaranteed by Bonsucro and Vive certificates. Using **bagasse pulp** prevents deforestation. All processes in the supply chain are designed for sustainability such as elemental chlorine free bleaching. Moreover, the **bagasse packaging** is biodegradable in all home, laboratory and industrial composting conditions.

1 ha of **sugarcane**
can absorb CO₂
(58.2 ton CO₂ absorb/year)

=

emission of
4,400 cars
in everyday



Top Quality from top manufacturing

Quality control is conducted and certified for **all raw materials** and **processes** as we manage every part of the supply chain. Our sugar factory is certified with the international standards for sugar processing. As the world-leading and best bagasse pulp factory in Thailand, we are certified with more than Five international standards guarantees. We assure you of the best quality of bagasse packaging.

Certificates guaranteed our best quality in every steps



Food Safety Product for our customers

Made from the by-product of food resources, take care of food and health safety in every step from each sugarcane to EPAC's sugarcane packaging.

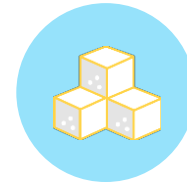
The evidence is our bagasse pulp, among very few in the world, is certified with ISO22000 : Food safety management system which makes it viable to be food contact packaging or even a food ingredient.





The Large scale and most **efficient** sugarcane supply chain

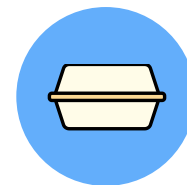
Being sustainable manufacturing and managing, every step under the bio-circular concept in sugarcane bio complex minimizes logistics cost and energy consumption and provide **secured volume** in the whole sugarcane supply chain. We offer the best quality of bagasse packaging under the best logistics management.



With KTIS sugar factory capacity **58,000 tons** cane per day which is the largest in the world



Besides, we are capable of producing **100,000 tons** of bagasse pulp per year



EPAC produces the packaging with capacity of **50 tons** or more than **3 Million** pieces per day

MISSION 'DRIVING THE CHANGE'

REPLACE THE USE OF UNHEALTHY AND NON-ENVIRONMENTAL
PACKAGING FOR 3 BILLION PIECES WITHIN 3 YEARS
DRIVEN BY THE SUGARCANE BIO COMPLEX
FOR NATURE AND FOR YOU

Joining Our Circle to Complete the mission

We will be happy to connect with you and please contact us for more information.

133 Sinobrit Building, 9th Floor,
Vibhavadi Rangsit Road, Samsen Nai
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CONNECT WITH THE
WHOLE SUGARCANE
SUPPLY CHAIN

JOIN EPAC





EPAC

Environment pulp and
packaging Co., Ltd



EPAC

ENVIRONMENT PULP AND PACKAGING CO., LTD

BAGASSE PACKAGING

THE MOST SUSTAINABLE PACKAGING YOU CAN FIND

The products delivered to your hands are manufactured with sustainability, quality and health safety focus.



ECO FRIENDLY PRODUCT

FOOD GRADE PACKAGING

MADE FROM HIGH-GRADE VIRGIN PULP

SUSTAINABILITY

Sugarcane is a renewable source of raw materials. Using bagasse pulp prevents deforestation.

All processes in the supply chain are designed for sustainability such as elemental chlorine free bleaching of bagasse pulp.

TOP QUALITY

Quality control is conducted and certified for all raw materials and processes as EPAC is under the KTIS group who manages every part of the supply chain.



FOOD SAFETY

EPAC's bagasse packaging is made from KTIS's bagasse pulp which is certified with ISO22000 : Food safety management system which makes it viable to be food contact packaging or even a food ingredient.

EFFICIENT SUPPLY CHAIN

Every step under KTIS's sugarcane bio complex minimizes logistics cost and energy consumption with secured volume in the whole sugarcane supply chain.

BEGINNING OF EPAC STORY

THE FUTURE STARTS HERE

EPAC is the bagasse packaging manufacturer from the sugarcane bio complex under the bio-circular concept for inclusive and sustainable growth.

SUSTAINABLE FARMING



1st sugarcane bio complex in Thailand

NAKHON SAWAN BIO COMPLEX



JOIN US

133 Sinobrit Building, 9th Floor, Vibhavadi Rangsit Road, Samsen Nai, Phayathai, Bangkok 10400
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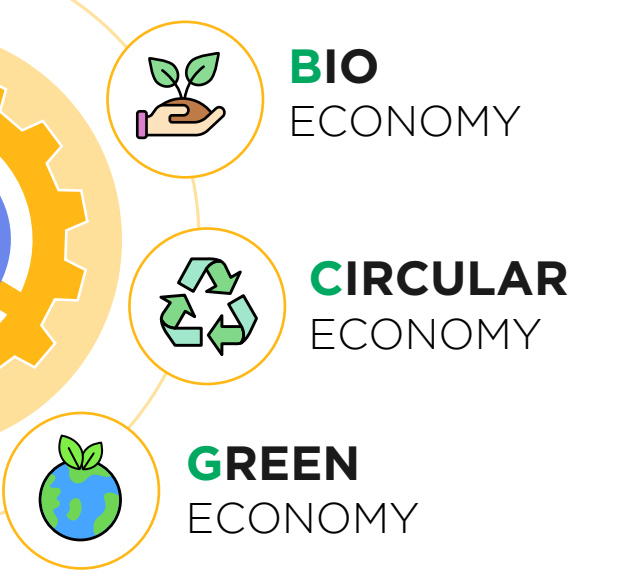
NAKHON SAWAN BIO COMPLEX (NBC)

EPAC is a part of KTIS's sugarcane bio complex, NBC, alongside with sugar factory, bagasse pulp mill, bioethanol factories, biofertilizer plant and biomass power plants.

“KEEP MOVING FORWARD, DRIVEN BY BIO COMPLEX”

NBC is the most efficient engine that drives the bio-circular concept. EPAC uses the engine to manufacture high-quality daily life packaging products for better well-being.

BCG IN MODEL



EPAC'S CORE VALUE

EPAC'S CAPACITY

More than **3 Million** pieces of bagasse packaging per day

Produce **100,000** tons of bagasse pulp per year

58,000 tons cane per day sugar factory capacity

EPAC SCALE UNDER KTIS GROUP

PROVEN BCG IN PRACTICE

EPAC within NBC proves to enable the concept of BCG economy practically and optimally, as the leader in the bagasse packaging industry.





CHARMÉ
อาร์ทเมย์



PRODUCED BY :

ENVIRONMENT PULP AND PACKAGING CO.,LTD
133 SINOBRITE BUILDING.,9TH FLOOR
VIBHAVADIRANGSIT ROAD SAMSENNAI,
PHAYATHAI BANGKOK,THAILAND 10400

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@charm.co 02-247-0924
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BBRA006-1



6" Round Plate

∕ 15.5 X 2 cm.

BBRA010-3



10" 3-C Round Plate

∕ 25.5 X 2.5 cm.

BBBA875-1



875 ml. Bowl

∕ 17 X 6 cm.

BBCA600-1



600 ml. Clamshell

13.5 X 18.5 X 4.5 cm.

BBCA088-1



8"X8" 1-C Clamshell

20.5 X 21.5 X 8 cm.

BBLA047-2L



2-C Box

12 X 18 X 4.5 cm.

BBRA007-1



7" Round Plate

∕ 17.5 X 2 cm.

BBOA009-1



9" Oval plate

16.5 X 23 X 2.2 cm.

BBBA475-1



475 ml. Bowl

∕ 17.5 X 4 cm.

BBCA096-1



9"X6" 1-C Clamshell

15.5 X 23 X 7.5 cm.

BBCA088-3



8"X8" 3-C Clamshell

22 X 22 X 7.5 cm.

BBLA047-1L



1-C Box

12 X 18 X 4.5 cm.

BBRA009-1



9" Round Plate

∕ 22.5 X 2.5 cm.

BBOA010-1



10" Oval plate

19.5 X 26 X 2.5 cm.

BBBA500-1



500 ml. Bowl

∕ 15.7 X 5.3 cm.

BBCB099-1



9"X9" 1-C Clamshell

23 X 23 X 7.5 cm.

BBCA066-1



6"X6" 1-C Clamshell

15.5 X 15.5 X 8.5 cm.

BBTA010-5



5-C Tray

21 X 26 X 2.5 cm.

BBRA010-1



10" Round Plate

∕ 25.5 X 2.5 cm.

BBOA012-1



12.5" Oval plate

25.5 X 31.5 X 2.5 cm.

BBCA450-1



450 ml. Clamshell

12.5 X 17.2 X 3.7 cm.

BBCB099-3



9"X9" 3-C Clamshell

23 X 23 X 7.5 cm.

BBLA096-1L



9"X6.5" Rectangular Box

16.5 X 23 X 4.5 cm.



an absolute circular product

TOMORROW IS NOW.

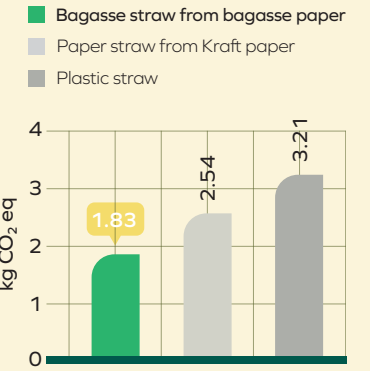
Cherr is adopted to fit into **full sustainable production cycle**. Transforming **bagasse pulp** into **bagasse straw**, is proven to be effective in reducing the large scale deforestation.

Cherr bagasse straw comes from by product and completely goes back to nature without any remain. Zero-waste at heart, Cherr joins forces with the communities of our customers to reduce the use of plastic and other toxic materials for the sake of everyone's well-being.



100%
renewable
sources

Global warming impact in CO₂ equivalent



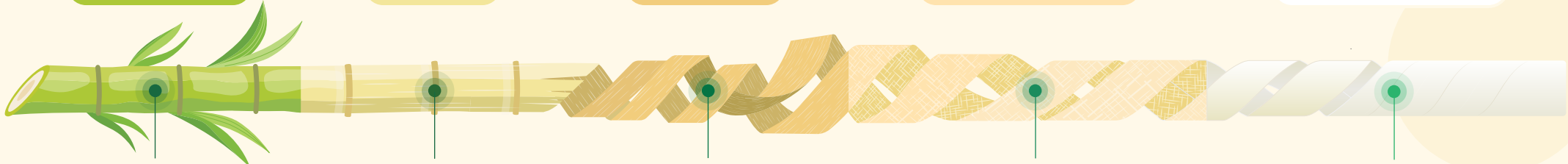
SUGARCANE

SUGAR

BAGASSE

BAGASSE PULP

BAGASSE STRAW



Every **sugarcane**, from planting to harvesting, is carefully controlled under the sustainable farming certification to cause no pollution.



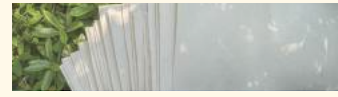
Sugar is extracted from harvested sugarcane by our KTIS sugar factories under sustainability, quality and food safety focus.



Bagasse (sugarcane fibre) is obtained as by-product from sugarcane processing from KTIS sugar factories which satisfies the ambition of a **zero-waste cycle**.



Bagasse pulp possesses unique attributes which are suitable to be used in **hygiene and food relating products** such as food packaging, medical equipment or even as a food ingredient.



Cherr bagasse straw provides high quality, health safety and sustainable solution in every sip.



- ✓ BIODEGRADABLE
- ✓ 100% SAFE
- ✓ ZERO WASTE
- ✓ HIGH STANDARD
- ✓ CUSTOMER SATISFACTION

1 ha of sugarcane can absorb CO₂ = **4,400 cars** in everyday (58.2 ton CO₂ absorb/year)

Cherr helps reduce **↓CO₂ 165 ton/year** by substituting plastic straws

Our bagasse pulp factory helps **reduce** deforestation by **32 MILLION** tree per year

Biodegradable in only **28 days** from the test of Thailand Institute of Scientific and Technological Research

HIGHLIGHTS

SMALL SIPS FOR OUR BIG WORLD



100% Food Safety

Adhering to the most stringent raw materials and GMP process control standards, for each step of the production.



100% Degradable

Perfectly compostable under natural conditions within 30 days.



100% User Experience

Our bagasse straws are strong and odour-free, providing a premium user experience.



100% Reliability

We help farmers grow sugarcane efficiently and sustainably.



100% Environmental

Reduce deforestation, save the world with every straw.

INTRODUCING BAGASSE STRAWS

BETTER THAN PAPER STRAWS IN ALL ASPECTS



Contact Us
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☎ 02-247-0923-4

Monday - Friday (8.30 AM - 5.00 PM)

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Office Address

133 Sinobrit Building 9th Floor, Vibhavadi Rangsit Rd.
Samsen Nai Sub-district, Phayathai District,
Bangkok 10400

PRODUCT CATEGORY



- ① Diameter 6 mm
Length 215 mm
Weight 1.30-1.95 g
- ② Diameter 8 mm
Length 220 mm
Weight 1.75-3.00 g
- ③ Diameter 12 mm
Length 220 mm
Weight 2.90-4.25 g

01 COLOR



Pattern Unbleached Bleached

02 SIZE



Ø 6 mm Ø 8 mm Ø 12 mm

03 LENGTH

140 mm ⇨ 220 mm

04 TIP



Straight Pointy Tip

05 PACKAGE



Unwrapped Wrapped

PRODUCT GALLERY

