



REcYcled
BOttles
TEXtiles

INTRODUCTION

- BRINGTON GROUP
- REYBOTEX
- RECYCLING PROCESS
- SUPPLY CHAIN
- CERTIFICATIONS
- SOCIAL & ENVIRONMENTAL ASPECTS
- FEATURES
- PRODUCT EXAMPLES

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General Manager BRINGTON GROUP

QUALITY – COMPLIANCE
SUSTAINABILITY – INNOVATION

- **Established 1973 in Taiwan as shoe manufacturer**
- **1988 production facilities for shoes have been moved to Dongguan**
- **Core business: product development, manufacturing and distribution**
- **Production facilities today are located in:**
 - **Jinjiang & Quanzhou (Fujian): Shoes and Bags**
 - **Zhejiang: r-PET Plant and Soft-Toys**
 - **Offices: Hong Kong (HQ), Taipei, Jinjiang**
- **Employees Offices, Technicians & QA: 55**
- **Markets: EU / USA**
- **Key Accounts: ROSSMANN / LIDL / SALLING GROUP / HUMMEL / TARGET**

coastal collection centers* by



REYBOTEX®

REYBOTEX® The Concept

BRINGTON GROUP has taken part in the development of a new gentle process to recycle used PET bottles to high quality yarn and fabrics for consumer products, like shoes, bags, home textiles and toys, with 100% r-PET which 25% are ocean bound collected bottles, in order to cope with ongoing pollution of world seas.

Traceable and Certified!

We collect used bottles BEFORE they pollute the oceans!

*min. 25% of our post consumer PET bottles for recycling are collected at coastal areas



Recycling Plant



Waste bottle bricks warehouse



flakes processing line



filament grade flakes



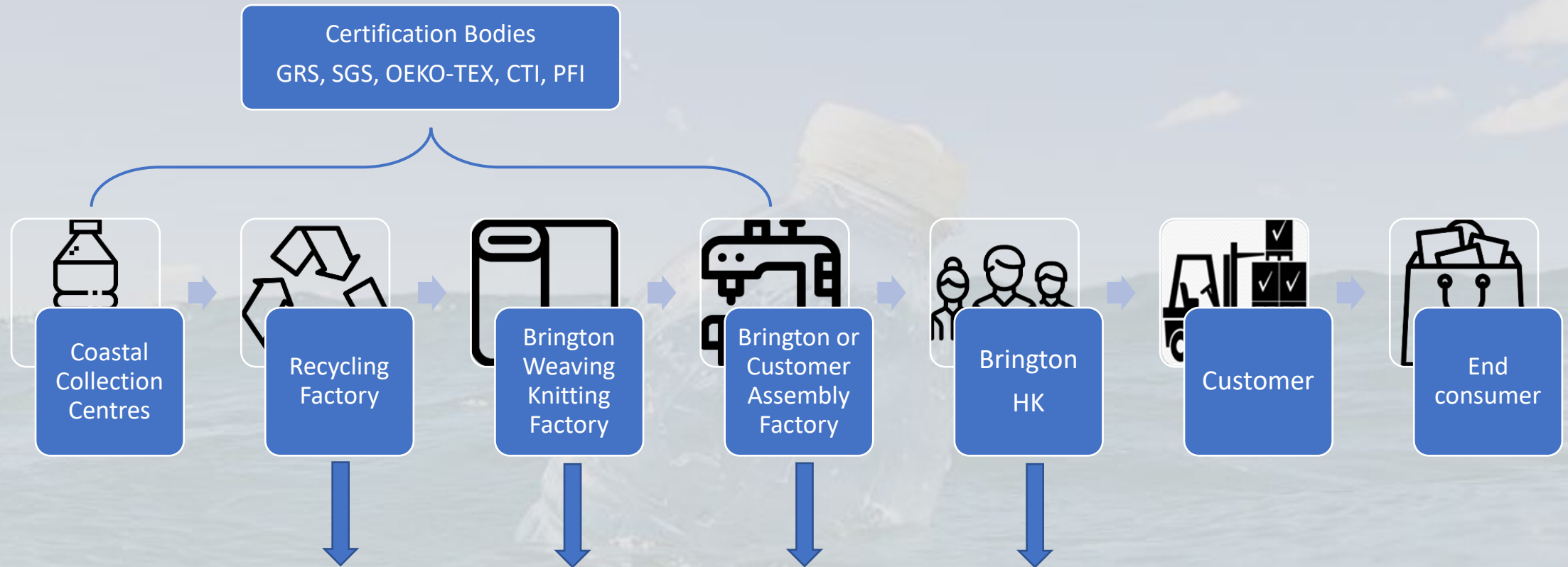
200 meters long of PET flakes processing line



Recycling Process Video (click to see video)



Product & Supply Chain Certification



 **BRINGTON**
GROUP SINCE 1988



Product (example sneakers)



- ✓ REYBOTEX® CERTIFIED SYSTEM
- ✓ Each upper is made from 100% REYBOTEX® recycled yarn
- ✓ 25% coastal area collected PET bottles
- ✓ Yarn can be dope dyed*
- ✓ Waste-water free!

Footnote:

* Depending on colour specs and order volume

** per pair

Social Impact



Environmental Impact



Reuse 90% of factory processed water through own sewage treatment system



Designed capacity:
4000 tons/day

Actual capacity:
2800 tons/day



Environmental Impact

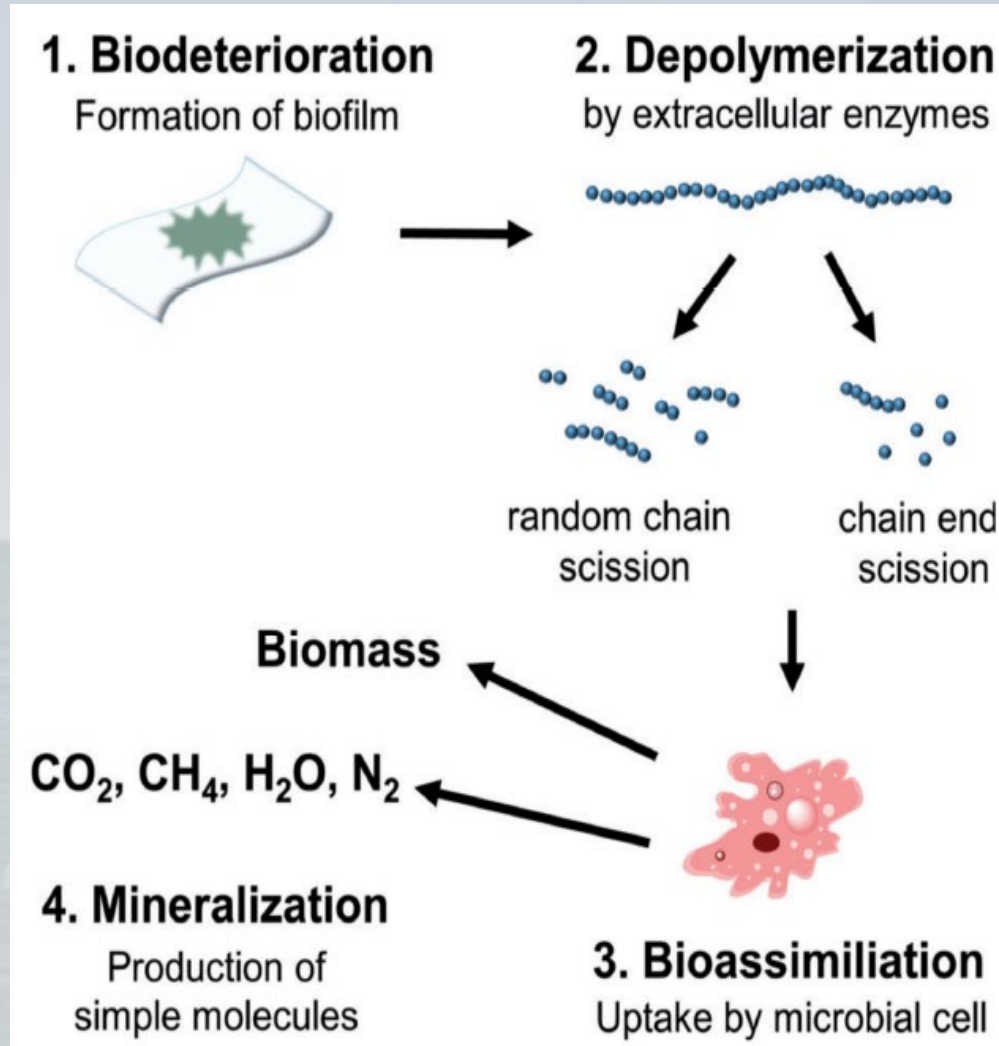
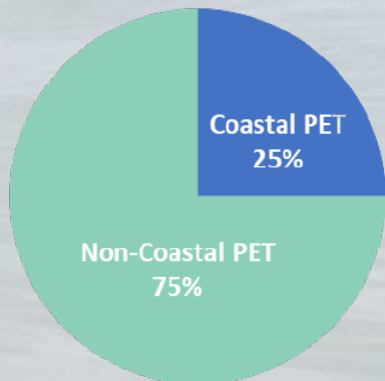


35% (2021) of energy comes from wind turbines (external) and solar cells on roof of plant – planned 50% until 2023



REYBOTEX[®] biodegradable

BRINGTON GROUP offers the first biodegradable Polyester yarn and filament which is 100% recycled with 25% PET bottles collected at coastal areas!

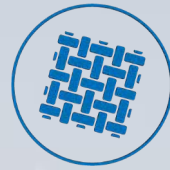


*Remark:
Without LCA, specially 'end of live' and disposal, usage of additives may have a reversal effect and can be potentially harmful to the environment!*



REYBOTEX® **ANTI-VIRAL**

Anti-Microbial and Anti-Viral
(Destroys SARS-CoV-2 -
COVID-19 strain virus)
thoughtfully formulated
fabric finishing, using
cosmetic based chemistry.



Formulated for use in the
textile industry over 25
years ago

Can be applied to all types of
textiles and is compatible
with most finishing agents.



Effective with a broad
range of textile finishes

Effective with
Fluorocarbon and flame-
retardant finishes, all resin
systems and cationic, non-
ionic softeners normally
used in textile finishing.



Long-lasting protection

Achieved excellent wash
performance. When applied as
directed, HG® AMIC achieves
over 99% reduction in virus and
96% reduction in bacteria after
20 washes.

*Remark:
Please be aware that main way of
transmission of Covid-19 virus
is by aerosols, not surfaces.
Therefore, this method can be only
part of protection and cannot
substitute others measures!*



REYBOTEX®

climate neutral

With CLIMATE-PARTNER we work together from carbon footprints and climate action strategies all the way to climate neutral products with the support of international carbon offset projects.



REYBOTEX



Climate neutral Product

ClimatePartner.com/00000-0000-0000



Measure Corporate
Carbon Footprint



Measure Product
Carbon Footprints



Reduce



Offset

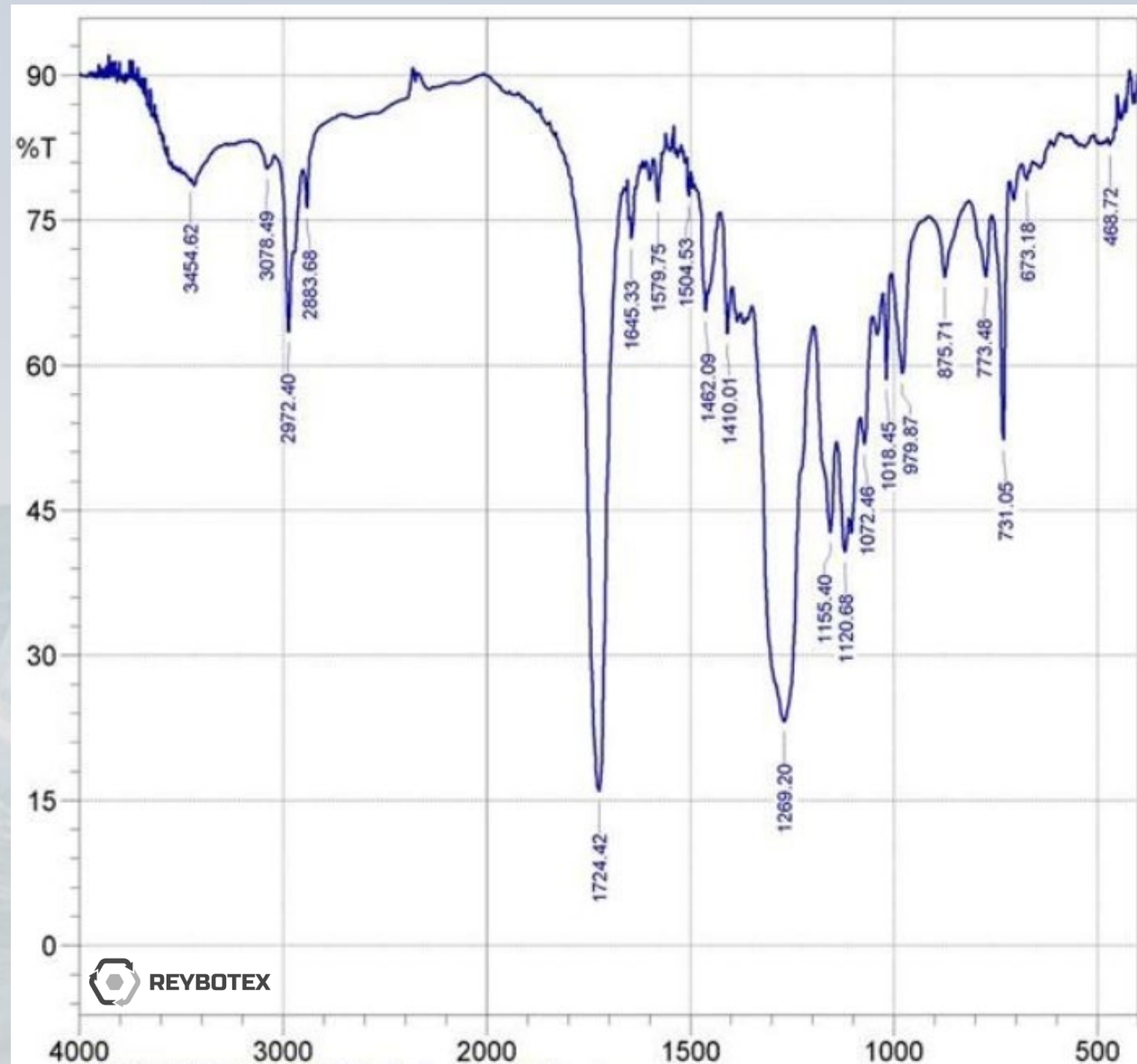
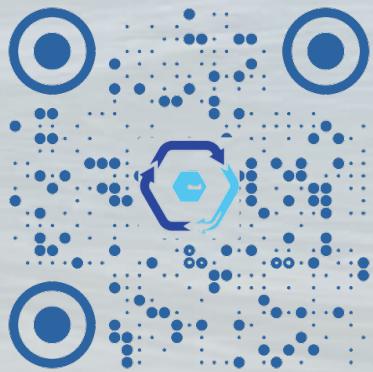


Communicate

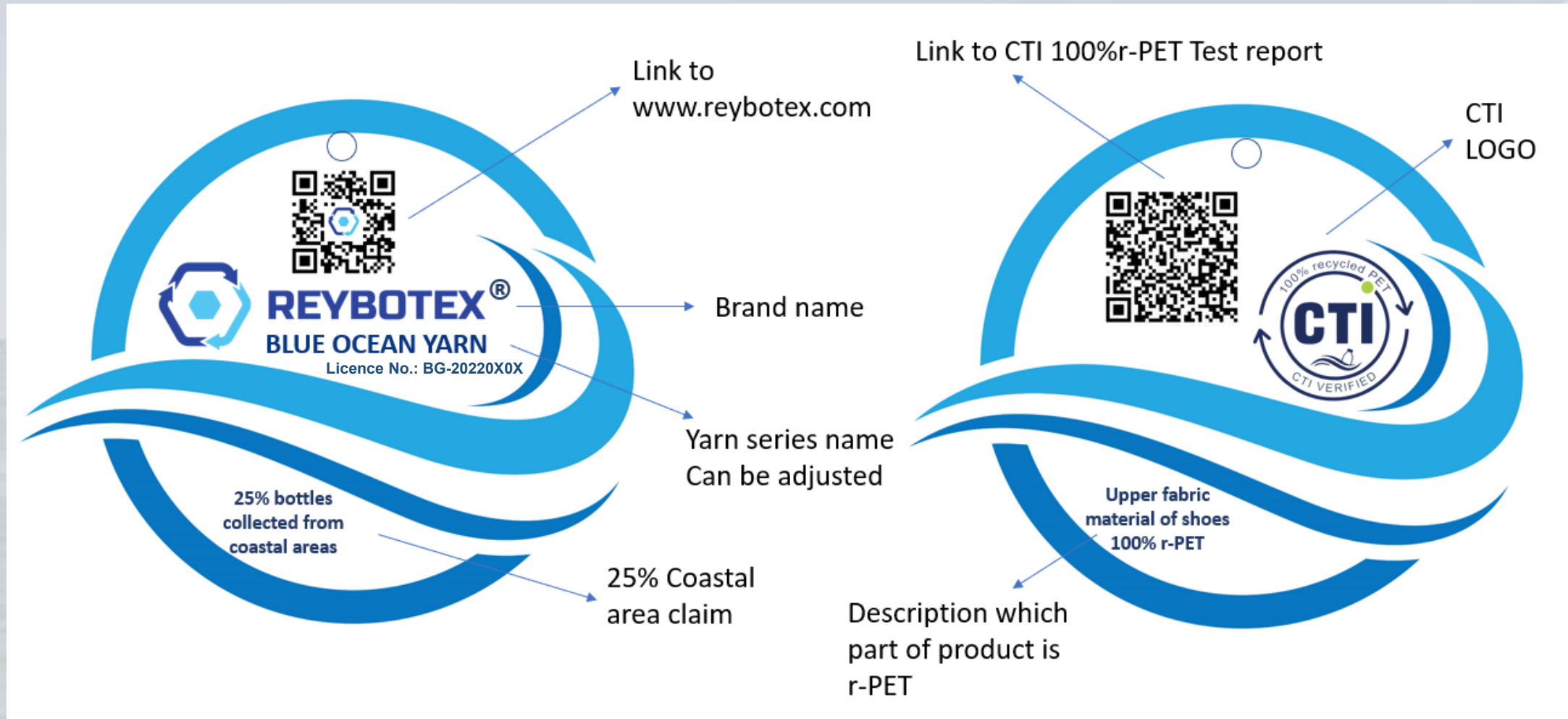


REYBOTEX® *fingerprint*

BRINGTON GROUP offers an
unique fingerprint analysis of
its REYBOTEX® material to
distinguish from fakes on the
market!



Hangtag (example)



CO₂/Energy Fact Sheet

CO₂-Emission of 1kg recycled PET: 0.45kg CO₂

CO₂-Emission of 1kg new PET: 2.15kg CO₂ (1)

Saving: 1.7kg CO₂

Plant capacity r-PET total: 800t/day (200,000t/year)

Plant capacity coastal r-PET (25% ocean bound collected bottles): 200t/day

Annual amount of CO₂ saving for REYBOTEX®: **85,000t CO₂**

Saving in kWh: **141 Mio kWh**

This is equivalent to the annual energy consumption of a city with 20,000 people!

CO₂ / kWh: 900g (1990) - 800g (200x) – 600g (2020) (2)

Average kWh per person per year 6,771 kWh (Germany) (3)

Sources:

(1) <https://www.plasticstoday.com/packaging/use-rpet-drastically-cuts-carbon-footprint>

(2) Xin Li, Pappas Dimitrios, 2017, Applied Energy Cardiff

(3) <https://www.statista.com/statistics/383633/worldwide-consumption-of-electricity-by-country/>





REYBOTEX[®]

PRODUCT EXAMPLES





REYBOTEX[®]

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REYBOTEX® PRODUCT EXAMPLES

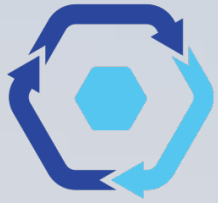




REYBOTEX[®]

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