

HONEYCOMB PACKAGING

A Hexagonal Approach to a
Circular Economy

Unlocking Innovation and Reducing Costs





Who We Are

Inspired by the honeycomb — one of the strongest structures found in nature — we specialise in honeycomb board to engineer heavy-duty packaging solutions that replace traditional wood and plastics.

Designed and produced in Germany and used globally, our products are made entirely from paper and water-based adhesive, making them lightweight, strong, and fully recyclable.

Why We Do It



Vision

Our vision is to lead the global transition toward a sustainable future by redefining Packaging Solutions through innovation and eco-conscious design.



Mission

We aspire to create a world where industries thrive with solutions that help reduce waste, costs, carbon emissions, and contribute to a circular economy for future generations.

Pacfort believes in empowering businesses to achieve efficiency while protecting our planet.



What's the Problem with Traditional Packaging



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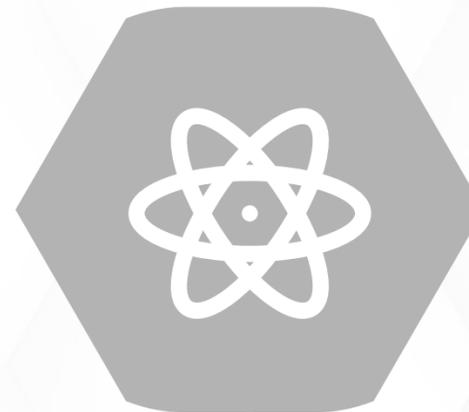
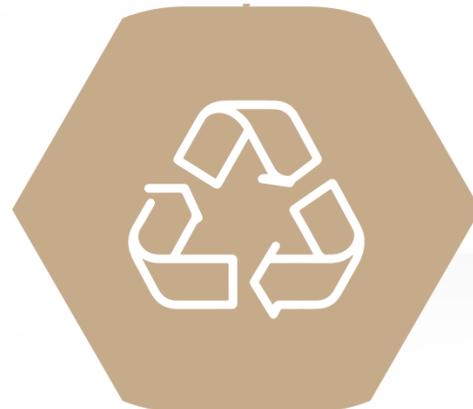
Deforestation

Demand for wood-based packaging accelerates **forest loss**, contributing to **biodiversity decline** and **increased CO₂ emissions**.

Low Recyclability

Only around **23% of wooden packaging is recycled**, while most ends up being **burned** — releasing stored **carbon** back into the atmosphere.

02



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Chemical Treatments

Wood requires **ISPM-15 chemical** or **heat treatments** to prevent pest transfer introducing **toxic compounds** into the environment

Heavy Weight

Wooden crates are **significantly heavier** than paper-based alternatives, increasing **fuel use** and **emissions** during transport.

04



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Linear Use Model

Wooden packaging **rarely re-enters the material loop**, meaning it **doesn't support circular economy principles**



In Contrast

In contrast, paper-based materials have a **recycling rate of around 80%**, and paper fibres can be **reused over 20 times**.

Paper-based packaging also has the **highest recycling rate among all packaging materials in Europe**, making them one of the **most sustainable industrial materials available** today.





PPWR Compliance

PPWR stands for the **Packaging and Packaging Waste Regulation (EU) 2025/40** — a new EU regulation that aims to:

- Prevent and significantly reduce packaging waste.
- Make all packaging recyclable and reusable.
- Encourage a more circular economy across the EU.
- Harmonise packaging rules across member states.

This regulation directly impacts any economic operator placing packaging on the EU market, including manufacturers, distributors, and retailers





Understanding a Circular Economy

The essence of the circular economy model is that it keeps materials in use for as long as possible.

Reducing waste, saving energy, and minimising emissions.

The traditional linear model of "Take, Make, Dispose" depletes natural resources and creates massive waste streams

Why it Matters



Waste Problems

The European Union produces over 2.1 billion tons of waste every year.



Delivering a Real Impact

Transitioning to circular systems could reduce global emissions and cut virgin resource use.



Economic Opportunities

It's an economic opportunity, unlocking innovation and **reducing costs** for the businesses that choose to adapt by **being proactive**.

How Pacfort Helps Achieve It

You might be thinking... Isn't paper made from trees too?
And you'd be right! But the difference is in how we use it.

Our **Robtop T** and **Robox H** packaging solutions take steps to deliver **sustainability** and **efficiency** advantages such as:



Pacfort Packaging Solutions



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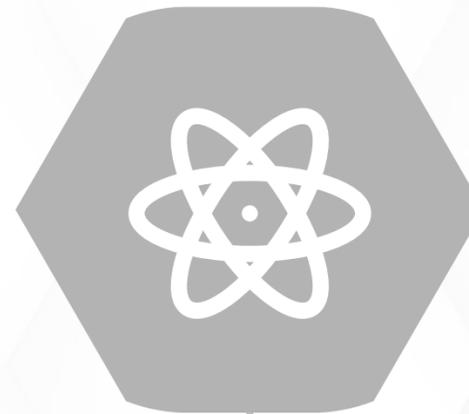
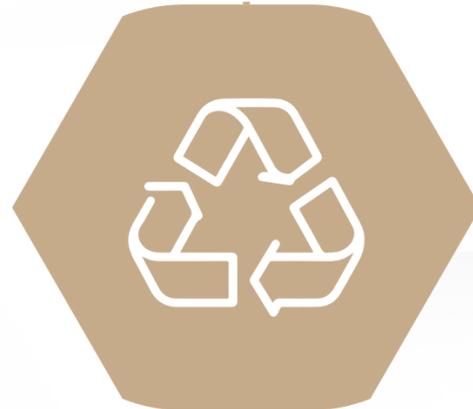
Cost Efficiency

30-60% cheaper than wood making it the more economical choice

Full Recyclability

Made from **80% recycled content** and is **100% recyclable**

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Chemical Treatments

No ISPM-15 treatment required saving on chemicals and energy

Lightweight

60% lighter than wood pallets helping lower transport emissions

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Efficiency in Time

It takes **70% of the time** it would on average to assemble a wooden crate

Pacfort Packaging Solutions



Conclusion

Pacfort is proving that sustainable innovation doesn't mean compromise.

By replacing traditional wood with circular, engineered paper solutions, we help **reduce waste, emissions and resource pressure** — while **supporting performance, efficiency and cost savings**.

Together with forward-thinking partners like you, we can accelerate the transition toward a circular economy and redefine what packaging can be.



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