

A German SME offers recycled, reusable, sustainable packaging for the automotive, food and other industry sectors primarily for replacing single-use stretch film plastics.

Summary

Profile type

Technology offer

Company's country

Germany

POD reference

TODE20250924017

Profile status

PUBLISHED

Type of partnership

**Research and development
cooperation agreement****Commercial agreement with
technical assistance****Investment agreement**

Targeted countries

- France
- Poland
- United Kingdom
- Portugal
- Finland
- Türkiye
- Austria
- Norway
- Italy
- Spain
- Albania
- Sweden
- Denmark
- Switzerland

Contact Person

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Term of validity

6 Oct 2025**6 Oct 2026**

Last update

6 Oct 2025

General Information

Short summary

A German SME has developed "Pacture", a patented, reusable packaging sleeve made from 100% recycled plastic. It is designed to replace single-use stretch film across multiple sectors such as food, health, retail, logistics for perishable goods, and also automotive. Use-cases could include building supplies, garden centers, electronic retail, home accessories, furniture stores, pet food supply chains, and military logistics. The company is ISO 14001 certified and supports circular economy goals.

Full description

Industry is faced with diverse challenges regarding evolving regulations and compliance needs with the European Packaging Regulation. The goal of the company is to provide consumers with scalable and affordable products for plastic-film packaging and thereby, fostering sustainability, automation and repairability into one product.

The patented development of packaging material called "Pacture" consists of reusable sleeves used in consumer markets for packaging roll-ups. Pacture increases sustainability with maximum convenience and minimizes waste without compromising on design or functionality. It also replaces thousands of tons of single-use stretch film.

The goal is to find ways to manufacture the end- product competitively within the EU in order to minimize transport distances and strengthen the domestic economy. Therefore, we seek collaboration with universities, research & testing institutes & manufacturers of packaging materials to further develop the product for european production. We also strive to continuously develop and improve the product in order to open up further areas of application.

The company is looking for collaborators to test and further develop their product in various applications such as automotive, food stores, health stores, transportation of perishable goods in order to validate the product for further use-cases. They are also open to collaboration for R&D funding within European projects. The company brings extensive know-how on the material properties for replacing stretch film, using 100% recycled and repairable components & materials. They also have successfully patented their product.

Advantages and innovations

We offer the following advantages through intensive R&D done previously on our packaging "Pacture". These are as follows:

- Quick and easy implementation in existing systems
- Fast and intuitive to learn for staff
- Reusable over 200+ cycles, highly durable
- Direct cost savings compared to single-use packaging
- Significant reduction in packaging waste and CO₂ emissions
- Supports sustainability and circular economy principles
- Robust, repairable, and long-lasting design
- Flexible application across various industries and use cases
- Certified to ISO 9001 and ISO 14001 standards
- Modular and easy to maintain.

Technical specification or expertise sought

We are seeking collaboration with organizations operating in the fields of food transport, food logistics, retail, and sustainable packaging. Ideal partners include research institutes and universities (for material evaluation and application testing), logistics providers, companies handling perishable or temperature-sensitive goods, food distribution specialists, and manufacturers of packaging materials. Experience in sustainability, food safety, and compliance with European packaging regulations is a strong asset. We welcome partners interested in joint research, product validation, prototyping, and the localisation or scale-up of manufacturing within Europe. Openness to co-development and innovation is highly valued.

Stage of development

Available for demonstration

IPR Status

IPR granted

IPR Notes

The product and its core technology are protected by granted patents. Ongoing monitoring ensures no infringement of existing third-party rights. We are open to discussions regarding licensing or further IPR cooperation with potential partners.

Sustainable Development goals

• Goal 12: Responsible Consumption and Production

Partner Sought

Expected role of the partner

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Type of partnership

Research and development cooperation agreement

Commercial agreement with technical assistance

Investment agreement

Type and size of the partner

• **R&D Institution**

• **Big company**

• **University**

• **Other**

• **SME 50 - 249**

Dissemination

Technology keywords

- **02005003 - Packaging for machines**
- **02005001 - Foil, fils**
- **02005004 - Packaging for materials**

Market keywords

- **09004008 - Other manufacturing (not elsewhere classified)**
- **08001001 - Plastic fabricators**
- **08001005 - Other fabricated plastics**
- **08001018 - Polymer (plastics) materials**

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Sector groups involved