Latvian company seeking technology partners to develop a sustainable e-commerce packaging system for fashion and beauty products

Summary

Profile type
Technology request

Company's country
Latvia

POD reference
TRLV20261027008

Profile status
PUBLISHED

Type of partnership
Commercial agreement with technical assistance
Research and development cooperation agreement

Targeted countries
• **All countries**

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Term of validity
27 Oct 2026
27 Oct 2027

Last update
27 Oct 2026

General Information

Short summary

A Latvian fashion and lifestyle brand is seeking European technology and development partners to co-develop a sustainable, recyclable and space-efficient packaging system for international e-commerce shipments of fashion and beauty products. The aim is to combine packaging engineering, industrial design, material innovation and transport protection in a unified solution aligned with the objectives and requirements of the EU Packaging and Packaging Waste Regulation (PPWR).

Full description

Company aims to create a limited range of recyclable packaging formats that accommodate different order sizes and product combinations while reducing material consumption, packaging waste, shipping volume and packing time.
The concept envisages three main packaging solutions:
- Compact fashion packaging: lightweight, recyclable paper-based packaging for orders containing one or two fashion items.
- Flat cardboard shipping box: an optimised box design for larger fashion orders, designed to minimise empty space and transport volume.
- Combined fashion and beauty packaging: a protective, recyclable paper- or cardboard-based insert system for shipping fashion items together with cosmetic products such as hand cream, body mist and body lotion.

The packaging should provide adequate protection during transport while maintaining the company's distinctive brand identity. Instead of relying on multiple packaging layers, additional boxes and excessive void fillers, the brand experience should be integrated directly into the shipping packaging through thoughtful structural design, graphics and brand communication printed on the inside.

Advantages and innovations

Expected Technical Objectives
The proposed packaging system should aim to:
- Minimise packaging weight and volume while maintaining product protection.
- Reduce empty space and unnecessary packaging components.
- Prioritise recyclable materials and reduce unnecessary plastic use.
- Improve transport and warehouse space efficiency.
- Enable efficient packing operations and accommodate different order configurations.
- Integrate company's visual identity directly into the packaging.
- Support the company in assessing compliance with applicable EU packaging requirements, including the PPWR.
- Provide technical specifications and material documentation to support future compliance and reporting obligations.

The final solution should be practical, scalable and suitable for regular e-commerce fulfilment and international shipping across EU markets.

Technical specification or expertise sought

Partners with expertise in one or more of the following areas are sought:
- Sustainable packaging concept development and industrial design.
- Structural packaging engineering and the development of customised packaging formats.
- Recyclable paper- and cardboard-based materials and innovative material solutions.
- Design and prototyping of protective inserts for cosmetic products shipped together with fashion items.
- Packaging optimisation to reduce material use, packaging weight, empty space and dimensional shipping volume.
- Packaging performance testing, including drop, compression and transport simulation tests.
- Technical assessment of recyclability and material compatibility with existing recycling streams.
- Technical consultancy on PPWR-related packaging design requirements, material documentation and applicable extended producer responsibility (EPR) obligations.
- Prototype production, pilot batches and support for industrial implementation.
- Where necessary, suitable packaging tools, tooling or small-scale packaging equipment.

Stage of development

Available for demonstration

Sustainable Development goals

• Goal 17: Partnerships to achieve the Goal

IPR Status

No IPR applied

IPR Notes

Partner Sought

Expected role of the partner

The ideal partner will contribute relevant expertise in packaging design, engineering, material selection, prototyping, testing and technical validation. Partners with experience in packaging for fashion, cosmetics or mixed-product e-commerce orders are particularly welcome.

Type of partnership

Commercial agreement with technical assistance
Research and development cooperation agreement

Type and size of the partner

- **Other**
- **SME 50 - 249**
- **Big company**
- **SME 11-49**

Dissemination

Technology keywords

- **02005004 - Packaging for materials**

Market keywords

- **09004006 - Packing products and systems**

Targeted countries

- **All countries**

Sector groups involved