

Specific challenge

Improving the Technical Properties of Paperboard Products

Type of challenge

Process

Technology

Business

Product

Key words

#Sustainability #Strength improvement #Finishing #Thickness optimisation

Description

ALPESA seeks to improve the technical properties of its paperboard / cardboard products, including strength, appearance, thickness and finish with additives such as glues, water and dust repellent or with different technology applications. The aim is to increase the quality, durability and versatility of the products to better meet customer needs and open up new markets.

How could we

To make ALPESA's cartonboard products more resistant, visually appealing, with optimised thickness and advanced finishes, using innovative technologies such as nanotechnology, 3D printing, artificial intelligence, advanced coatings and augmented/virtual reality.

Specific restrictions or requirements

- The solution must be compatible with ALPESA's current production processes.
- It should use sustainable and environmentally friendly materials.
- Implementation should not significantly disrupt production.
- The solution must be scalable and adaptable to different product lines.

Profile of the provider we are looking for

- Proven experience in the development of advanced technologies applied to the manufacture of cardboard or similar products.
- Ability to work in close collaboration with the ALPESA team.
- Commitment to sustainability and environmentally friendly materials.

Target indicators

Improved endurance

Quality of finish

Production efficiency