



Reifenhäuser

The Extrusioners



Maximum Efficiency and Quality: How Smurfit Westrock Sets New Standards with EVO Ultra Die 7 Technology

Smurfit Westrock, a leading provider of bag-in-box packaging, faced the challenge of taking over the entire production of packaging components in-house – including seven-layer PE film with an EVOH barrier. Two key requirements were crucial:

THE CHALLENGE

Maximum production output:

To ensure profitability, the most powerful blown film line on the market was required.

Highest quality:

The films needed to exhibit perfect individual layer tolerances, especially for the costly EVOH barrier, in order to minimize material costs.

In addition, the market demanded flexible production capabilities to quickly switch between different film structures.



About Smurfit Westrock

The company was formed in 2024 through the merger of Smurfit Kappa and WestRock. While Smurfit Kappa was considered Europe's largest manufacturer of paper-based packaging, WestRock was the second-largest packaging manufacturer in the US. Smurfit Westrock is headquartered in Dublin and employs around 100,000 people in over 40 countries. The company operates more than 500 plants and specializes in innovative packaging solutions.

THE SOLUTION

Reifenhäuser Blown Film installed an innovative EVO seven-layer blown film line for Smurfit Westrock featuring the new EVO Ultra Die 7 technology. This solution impressed with:

Market-leading productivity:

A unique material output of over 1,000 kg/h for barrier applications.

Precise individual layer tolerances:

The EVOH barrier remains consistently thin, while maintaining the necessary oxygen barrier.

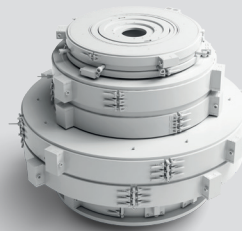
Flexibility:

Fast changeovers between seven-, five-, and three-layer film structures.

The combination of the EVO Ultra Die 7 die head, an optimized cooling system, and the EVO Ultra Range extruders ensures maximum efficiency and quality.

WHY REIFENHÄUSER?

With its innovative technologies, such as the EVO Ultra die heads, the Reifenhäuser Group delivers exceptional performance and stability in blown film production. Customers also benefit from proven expertise: Smurfit Westrock was able to test and optimize the technology in advance at the Reifenhäuser Technical Center.



EVO Ultra Die 7: 1,000 kg/h for barrier films

THE BENEFITS

The results speak for themselves:

Maximum production performance:

With an output of over 1,000 kg/h, Smurfit Westrock sets new performance standards.

Significant cost savings:

Thanks to precise layer thickness control, Smurfit Westrock saves significant amounts annually on EVOH material.

Flexibility and reliability:

Fast product changeovers and stable production enable optimal adaptation to market demands.

Sustainability:

The films are recyclable, as the EVOH content is below 5% of the total weight.

„The film quality is truly exceptional. In addition to the tolerance values, the consistency, clarity, and strength of the film are outstanding, enabling us to meet and even exceed our customers' requirements.”

Pascual Martinez Pérez,
Managing Director of Smurfit Westrock Spain

CONTACT US!

Do you face challenges similar to Smurfit Westrock?
Our experts will be happy to advise you.



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