



Latest Blown Film News

EVOLUTION Blown Film Lines show 10 % lower energy consumption than the next best exhibitor at K'13

Reifenhäuser Kiefel Extrusion has continuously enhanced the blown film lines for more and more sustainable and energy-efficient production.

The **BLUE Extrusion** program of Reifenhäuser offers momentous energy savings and thereby reduces the production costs of film producers.



Results of the BLUE Extrusion program

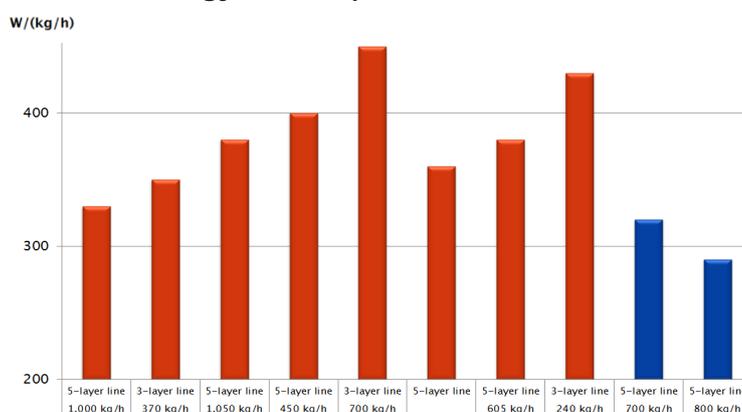
- Lower energy consumption
- Reduced production waste
- Less start-up time
- Accurate film tolerances
- Downgauging
- Highest possible converting speeds

A comparison of energy consumption of blown film lines at K'13 in Duesseldorf shows that **Reifenhäuser Kiefel Extrusion** is a step ahead of the competition.

The 5-layer EVOLUTION Blown Film Line in the R&D center in Troisdorf shows significant lower energy consumption than similar blown film lines of other suppliers at the K show.



Energy consumption of blown film lines

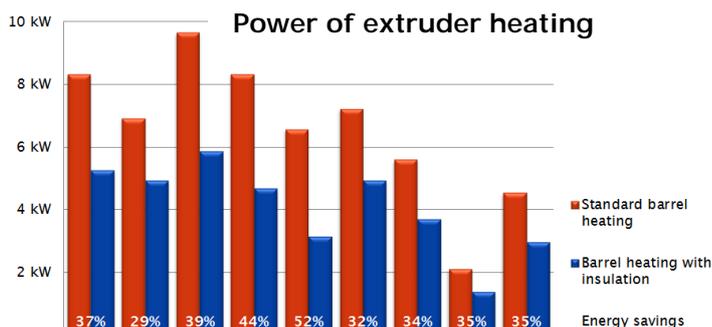


The blue bars shows the energy consumption per kg of output of the 5-layer EVOLUTION Blown Film Line in the R&D center of Reifenhäuser Kiefel with 290-320 W/(kg/h). The energy consumption of other blown film lines at K'13 (red bars) are in a range of 330 to more than 400 W/(kg/h).

Smart insulation of extruder barrels save approx. 20-50 % of the extruder heating energy

The smart insulation of EVOLUTION extruders enables an efficient insulation and allows at the same time cooling of the barrel when production conditions require this.

A 5-layer line, running at 500 kg/h, can save up to approx. 100,000 kWh per year or 12,000 EUR per year simply due to the smart insulation.



Minor energy savings by die head insulation

The insulation of a blown film die head shows it's main benefit during warm-up of the line. Here it can save approx. 10-15 % of the heat energy for the die head in the warm-up period.

During production there are minor energy savings. In a medium-sized blown film die the savings will be around 1,000 EUR per year.

