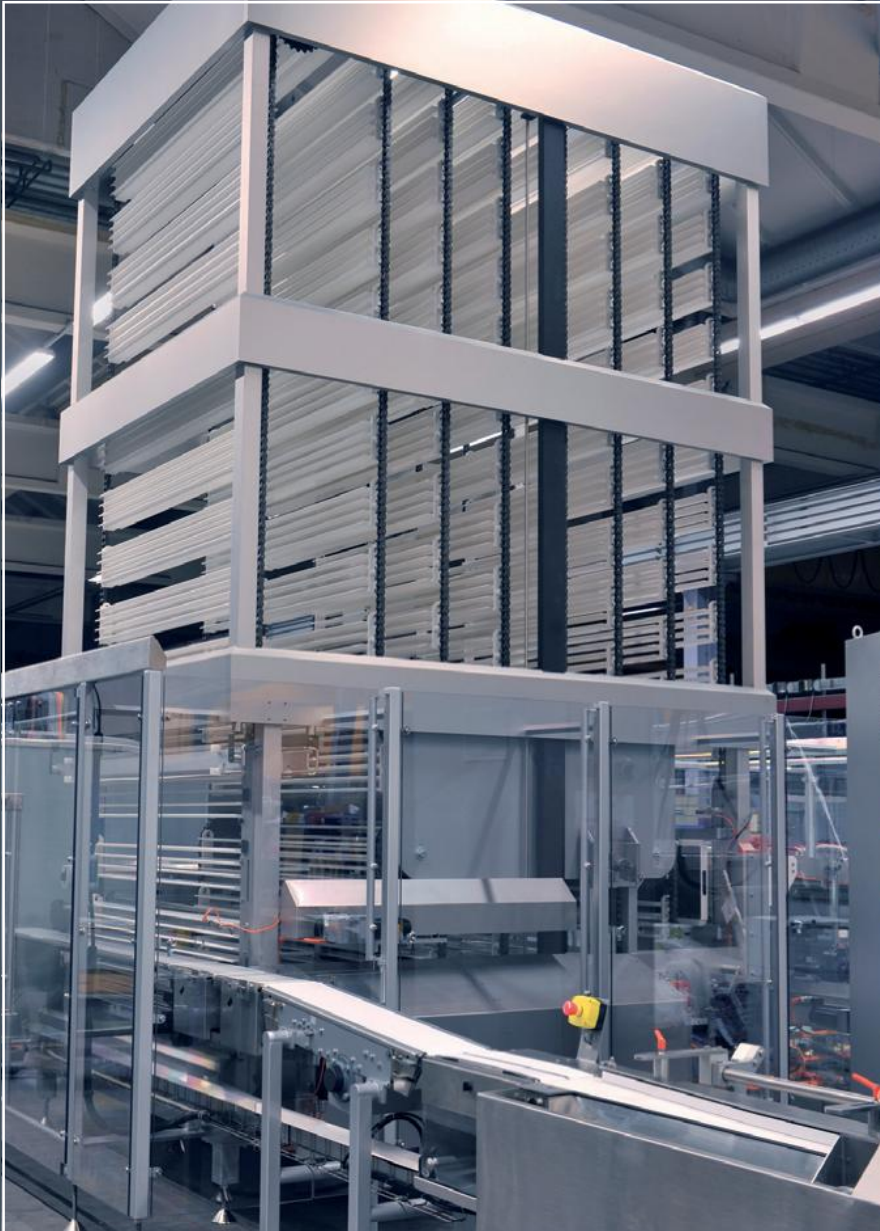


Inspiring technology!

ROTZINGER+



Product Flow Regulation (PFR)

Production increase through well-controlled processes

PFR (Product Flow Regulators) and buffers



1 Level change: PFR input and output can be located on different floor levels **2 FSU:** Integrated high-speed loading with waste rejection
3 Multiple output: To feed multiple packaging legs

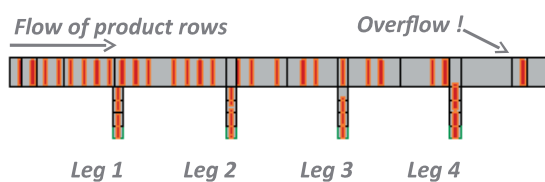
Why Product Flow Regulation (PFR)?

“We wish to package, not buffer” is what many customers state. Still, a minimum of intelligent product buffering helps improving the efficiency!

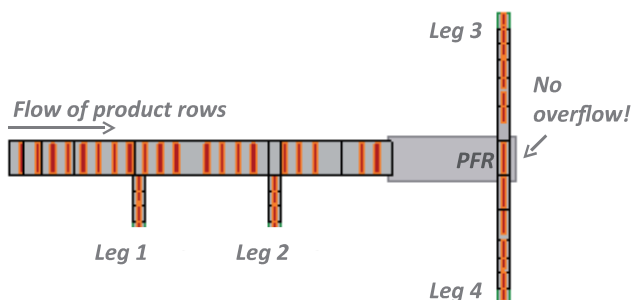
Malfunctions - of any kind - can never be completely avoided. That a chain can only be as strong as its weakest link also holds true for a packaging system. It is therefore of vital importance not to rigidly or directly connect the production line to the packaging line but to separate both processes. It is not before products overflow and remain unpacked that the customer realizes that the task at hand cannot simply be solved by installing an excess capacity of packaging legs and machines. The main issue is thus not so much the buffering process but rather the “regulation” and “keeping up the flow” - which is exactly the function of a product flow regulator!

With its PFR, ROTZINGER offers an economical solution while perfectly living up to “just in time” and “lean management” philosophies.

The proof that this is not just “gut instinct” is ROTZINGER’s in-house developed simulation program:



4-leg distribution line, pure station solution; overflow



4-leg distribution line, 2 legs fed from a PFR; no overflow

Even before making the investment, this program allows to compare various configurations and concepts (e.g. with and without PFR) to determine the optimum solution for a specific customer project. In practical cases, ROTZINGER has used this program to forecast the results and verify the correctness with the then measured data.

Customer benefit

The advantages of a product flow regulator are apparent: At the end of the line, the overflow is buffered by the PFR and in this way considerably reduces the risk of re-work or even scrap. The packaging lines fed from the PFR are supplied in a more regular and thus more efficient way which considerably increases their output and efficiency. The packaging line is able to produce more which logically increases the overall line effectiveness and simultaneously cuts down on personnel expenses and costs.

ROTZINGER as Partner

For more than 30 years, ROTZINGER has been producing their PFRs and has developed a large range of various types. The experience of many long-time employees makes it possible to conceive and develop practice-oriented customized solutions. ROTZINGER is pleased that many customers have achieved the expected targets using their PFR and regularly contact ROTZINGER about new projects and applications while placing new orders.

Product Focus

- Ease of Use
- Powerful Solutions
- High Effectiveness
- Low Total Cost of Ownership