SERVICES

WINDMÖLLER & HÖLSCHER

PERFORMANCE IBC

Higher output, longer runtimes, minimal effort for retrofit

Why Performance IBC?

Performance IBC is a next-generation internal bubble cooling system for blown film lines, designed to increase output and extend stable production time. By concentrating the IBC cooling air closer to the die lips, the bubble is cooled earlier and more efficiently. This improved cooling performance enables operation at higher throughput rates without compromising film quality or process stability.

Specially designed, insulated surfaces inside the bubble significantly reduce the condensation of monomers. In addition, the optimized Performance IBC geometry collects and stores remaining condensing liquids before they reach the bubble surface and cause film defects or bubble breaks.

The result in production: extrusion lines can run significantly longer at consistently higher rates compared to conventional IBC systems – with fewer interruptions for cleaning and a lower risk of unplanned stops. Performance IBC can be used flexibly with both Dual Lip and HP/XP air ring setups and integrates seamlessly into existing lines.

Your advantages

- **Higher output rate:** Increased throughput thanks to more uniform airflow and improved cooling at the bubble.
- **Fewer cleaning interruptions:** Extended cleaning intervals as monomer condensation and splashes on the film are reduced.
- **Higher overall efficiency:** Longer stable runtimes and fewer unplanned stops increase overall equipment effectiveness.
- **High flexibility:** Works with DL and XP Air Rings on VAREX and OPTIMEX machines.
- **Fast retrofit with immediate effect:** Short delivery time, installation in less than one hour, and a typical output increase of around 5% (depending on product and line configuration).

Learn more about **W&H Retrofit Solutions**:
https://www.wh.group/int/en/our_products/extrusion/retrofits/