

Barrier Biax Film Lines

Multi-Bubble Biax Film Production Solutions



Key Features:

- Versatile extrusion technology can produce films with a variety of barrier resins (EVOH, PA, PVdC)
- Controllable film shrink properties
- Double-bubble systems are available with and without annealing to target specific properties needed
- Stable process that allows for long production runs without bubble breaks

Why Macro?

- Ideal for high performance multilayer barrier films for food packaging applications such as shrink bags, lidding films and casings.
- The lines are configured to achieve the optimal orientation and shrinkage balance
- Macro's advanced die technology is able to handle a variety of barrier resins such as Nylon, EVOH and PVdC
- Macro's water calibration system is simple to use and ensures that the primary tube is precisely controlled; it allows for adjustments to be made without stopping the line
- Systems can be made with both water-based and IR-based orientation methods to tailor performance based on materials and shrinkage requirements
- Each model is equipped with a gauge randomizing unit prior to winding to ensure high-quality roll production. Final roll creation is performed by Macro's Automax-S surface winder, which features programmable tension tapering and fully automatic cutovers.

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Model	<p>Quadex™ Line Three-Bubble with annealing (water)</p>
No. of Layers	7
Materials	PVdC
Film Thickness	40-90 μm
Layflat Width	200 – 500 mm
Output Capacity	50 – 150 kg/h
Production Speed	Up to 100 m/min
Orientation Method	Water Heated
Annealing Method	Infrared Heaters



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