

5-Layer Coextrusion Pilot Plant

Fast, customised and accurate

Our new, state-of-the-art high-tech pilot plant is the perfect platform for rapidly developing new multi-layer film adhesive applications. It gives you precision control over the layer structure of the film adhesive, so that you can customise it to your needs. Whether you wish to incorporate an additional function or a protective film, these laboratory-scale film rolls are precision-wound to perfection.

How you benefit

- Transfer of adhesive expertise, and advice
- Rapid development
- Customer-specific development, with low outlay on costs and materials
- Customised layer structure of the adhesive films
- Sample films for suitability tests
- High-quality film adhesives on a laboratory scale
- Recipes can be tested for extrudability and compatibility prior to production

Technical specifications

- 5 modern single-screw extruders
- Screw Ø 30 mm, 3-section screw and mixing section
- Gravimetric throughput control
- Layer thicknesses adjustable from 4–5 µm to 25 µm per layer
- Pellet metering (no liquids or powder)
- Web-edge control, side cut, 2 winding points
- Film width of 200-600 mm (film opening!)
- Flatness unit with reversion over turning bars to ensure planarity of straight-edge film rolls
- Die head of plate construction
- Extrusion of halogenated plastics possible
- Overall throughput variable from 5-20 kg/h

Applications

- Multi-layer film adhesives in up to 5 layers
- Technical-grade films with O₂ and H₂O barriers
- Films with a high-melting centre-layer
- Membrane and film adhesives on PP or PE substrate
- Black-out film adhesives
- Production of film adhesives with difficult raw materials and protective films
- Combination of different adhesives with barrier layers



The computer-controlled pilot plant can produce high-quality film adhesives on a laboratory scale.



Perfect, precision-wound film rolls thanks to turning-bar haul-off.