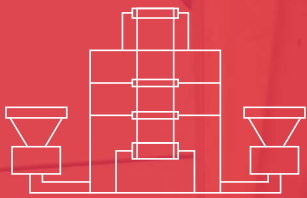


Laboratory



tecnocanto.pt



Laboratory

canto



Blow film lines

Tecnocanto blow film lines are designed for testing extrusion of mono-layer or multi-layer tubular film.

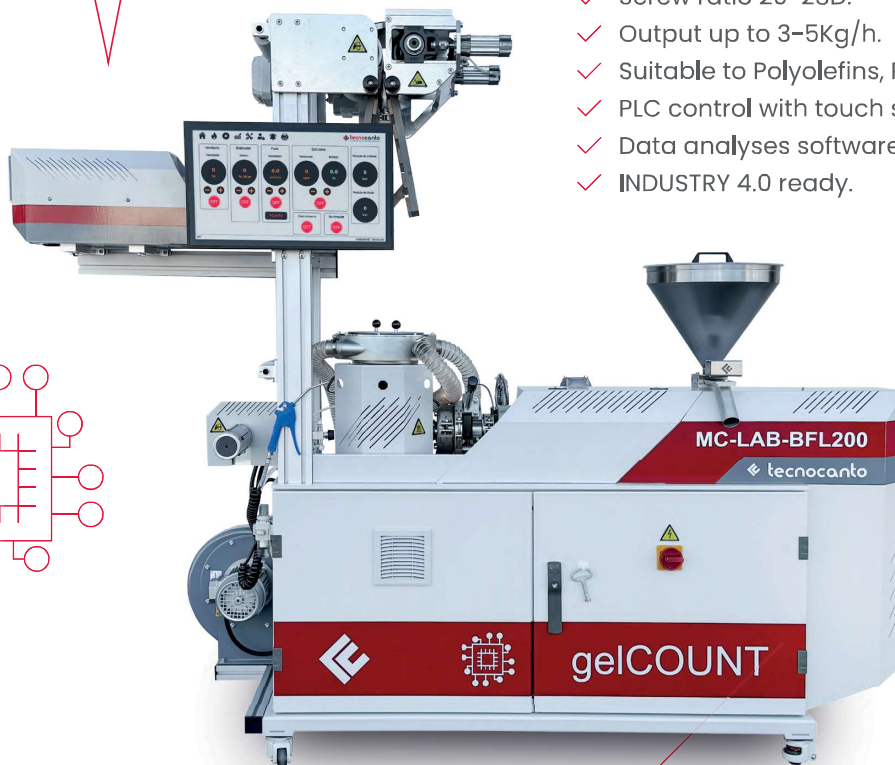
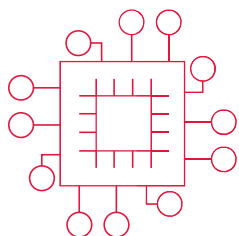
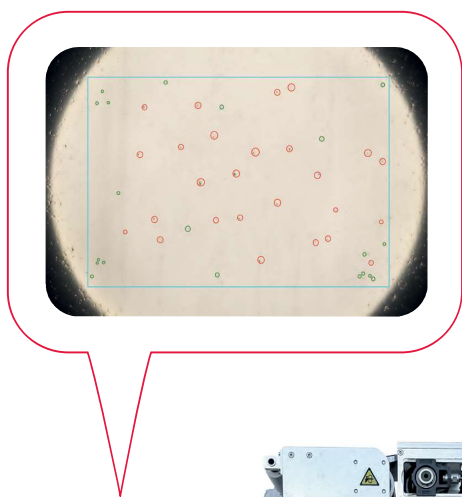
Our systems allow to use virgin or recycled polymers, as well as some biopolymers. We offer a big range of models, starting at the plug&play MC-LAB-BFL180 up to the 5 layers MC-LAB-BFL300-5.

Our newest development is the model MC-LAB-BFL200, with an easy system to launch the film up to the winder, a filtration test function, and our newest system to detect and monitorize the gels and black spots: gelCOUNT.

MC-LAB-BFL200

High tech single layer film

- ✓ High tech machine with easy system to launch the film.
- ✓ Die head with 30mm tool + thickness adjustment.
- ✓ Cooling ring with air blower with frequency converter.
- ✓ Melt temperature and melt pressure sensors.
- ✓ Manual screen changer.
- ✓ Filter test function – Measures the contamination at the melt.
- ✓ Backlight to detect film imperfections.
- ✓ Puller with pneumatic opening and closing.
- ✓ AC motors with frequency converter.
- ✓ Winder with torque control and 200mm width.
- ✓ Screw ratio 20-28D.
- ✓ Output up to 3-5Kg/h.
- ✓ Suitable to Polyolefins, PA, EVOH
- ✓ PLC control with touch screen interface 15".
- ✓ Data analyses software + data export.
- ✓ INDUSTRY 4.0 ready.



MC-LAB-BFL200

MC-LAB-BFL180LC

Plug&play single layer film

- ✓ Best relation price/quality.
- ✓ Diehead with gap adjustment.
- ✓ Cooling ring with blower.
- ✓ Puller with pneumatic opening and closing.
- ✓ AC motors with frequency converter.
- ✓ Winder with 180mm width.
- ✓ Screw ratio 20-28D
- ✓ Output up to 3-5Kg/h.
- ✓ PLC control with touch screen interface 5.6".

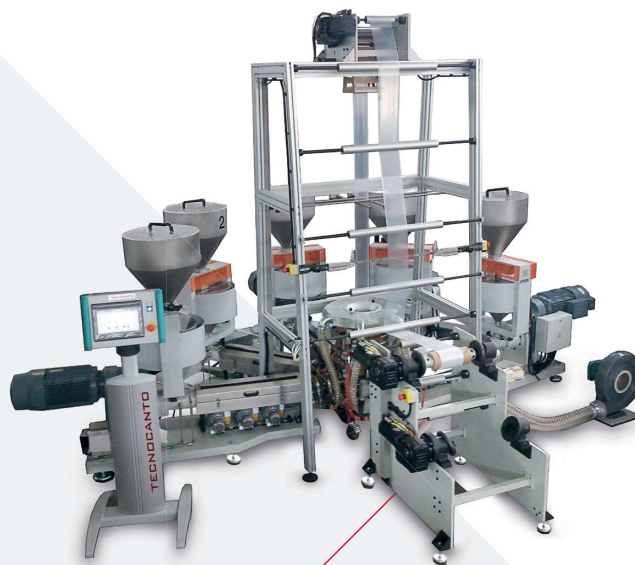


MC-LAB-BFL180LC

MC-LAB-BFL300

High tech 3 / 5 layers film

- ✓ High tech machine.
- ✓ 2 different setups available: 3 or 5 layers.
- ✓ Die head with 60mm tool + thickness adjustment.
- ✓ Cooling ring with air blower with frequency converter.
- ✓ Melt temperature and melt pressure sensors.
- ✓ Manual screen changer.
- ✓ Tower with motorized height adjustment.
- ✓ Backlight to detect film imperfections.
- ✓ Puller with pneumatic opening and closing.
- ✓ AC motors with frequency converter.
- ✓ Winder with torque control and 300mm width.
- ✓ Screw ratio 20-28D
- ✓ PLC control with touch screen interface 15".
- ✓ Data analyses software + data export.
- ✓ INDUSTRY 4.0 ready.



MC-LAB-BFL300-5

Recycling

For film

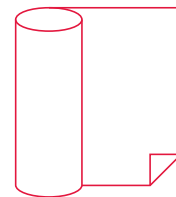
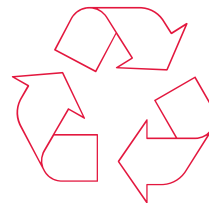
The MC-recyEX-AC recycling extruder was developed for in-line trim recycling, that collects the edge trims from film manufacturing waste, converting it to pellets again.

The short extruder ensures that the material is processed under low temperatures to avoid material degradation. The air pelletizer cools the pellets, and its unique design was specially developed for an easy operation.

Not only it processes edge trims that goes into the trim basket but also processes material coming from reels that goes into the reel feeding system using a small nip roller – as an option.

MC-recyEX-AC Air cooled recycling extruder

- ✓ Trim basket to receive air transported film trims
- ✓ Compact design extruder D45
- ✓ Special screw geometry to avoid material degradation
- ✓ Manual screen changer
- ✓ Air pelletizer to cut and cool the pellet – unique design for easy maintenance
- ✓ Air turbine to cool and transport the pellets
- ✓ Electrical cabinet with PLC and touchscreen 15", with friendly user interface
- ✓ Reel feeder – as option not included





MC-LAB-PSM

MC-LAB-PSM

Regrind recycling / Compounding

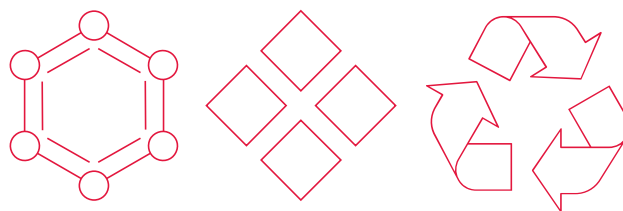
These lines are designed to produce pellets/granules of a variety of polymeric materials.

With a single screw extruder is a perfect regrind recycling line for laboratory. It has included manual screen changer, mass temperature and pressure probes, and with our user-friendly software interface it collects all operation data needed.

Using a twin screw co-rotating extruder is a perfect combination for compounding in small scale, for testing different formulations of masterbatches and compound.

Downstream includes a 4 strand type die head, water or air cooling, and a puller/cutter pelletizer.

These special lines have different configurations and sizes available.



C-LAB-SF300CC

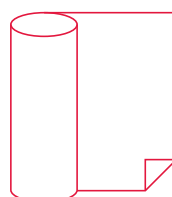
C-LAB-SF300CC


Cast film and sheet

Our cast film and sheet lines are specially made for quality testing of samples of film made from a big variety of polymers within standard polyolefins or biopolymers 100 to 1200 microns of thickness.

These cast film lines can integrate a single screw extruder, a co-rotating twin screw extruder, or even with co-extruders up to 3 layers.

The flat die and downstream are available in 3 different sizes: with 200, 300 and 500mm.





For over 25 years manufacturing and supplying solutions and equipment for the plastics industry.

Há mais de 25 anos a fabricar e fornecer soluções e equipamentos para a indústria de plásticos.

Por más de 25 años fabricando y suministrando soluciones y equipos para la industria del plástico.



**WE BUILD THE
FUTURE TOGETHER**

Zona Industrial da Barosa, Lote 7
Carreira d'Água – Barosa
2400-016 Leiria
Portugal

T +351 244 836 637

E tecnocanto@tecnocanto.pt

CENTRO 2020

PORTUGAL
2020

 **UNIAO EUROPEIA**
Fundo Europeu
de Desenvolvimento Regional