

**FILM EXTRUSION**

ABA Three-Layer Co-Extrusion Blown Film Machine — 800 mm

Three-layer ABA co-extrusion blown film for HDPE and LDPE from two extruders — up to 100 kg/h, film 800 mm wide.

**800 mm**

FILM WIDTH

100 kg/h

MAX. OUTPUT

0.008–0.1 mm

FILM THICKNESS

70 kW

TOTAL POWER

A three-layer ABA co-extrusion blown film line for HDPE and LDPE. Two extruders make the three layers: one feeds the inner and outer skins, the other the core. Three layers from two extruders means one machine less, and less cost and energy. It makes film for T-shirt bags, supermarket flat bags, bags on roll, garbage bags, waterproof bags and protective film.

The core extruder takes recycled material and calcium carbonate, up to more than 70% of the total — which is where the line's lower material cost comes from.

Both extruders have dual-alloy forced-feeding screws, hard and wear resistant, that plasticise at high speed and pressure and last 3 to 5 times as long as ordinary screws. The die is a three-layer cone-stacked die whose flow channels are polished and coated, so the melt keeps them clean: less waste when the material changes, and less downtime for maintenance. Feeding, batching and weight control are centralised on the touch screen.

MAIN PARAMETERS

Model	SD-2LABA800
Suitable material	HDPE / LDPE
Film width	800 mm (lay-flat)
Film thickness	0.008–0.1 mm
Max. output	100 kg/h
Voltage	380 V, 50 Hz
Overall dimensions (L×W×H)	5,000 × 3,000 × 6,500 mm
Weight	4.5 t

EXTRUDERS

Screw diameters	Ø 55 mm and Ø 55 mm
Screw L/D	30:1
Barrel cooling	Water cooling
Main motors	22 kW and 22 kW
Total power	70 kW

DIE HEAD AND HAUL-OFF

Die head	Three-layer ABA die head
Air ring	Double-lip air ring
Traction roller width	1,000 mm
Effective width	800 mm
Traction speed	120 m/min

WINDING

Winder	Friction type, automatic, single or double
Winding speed	120 m/min

KEY FEATURES

- Two extruders for three layers: one for the inner and outer skins, one for the core.
- The core takes recycled material and calcium carbonate, up to more than 70% of the total.
- Dual-alloy forced-feeding screws, 3 to 5 times the life of ordinary screws.
- Three-layer cone-stacked die with polished, coated flow channels that keep themselves clean.
- Double-lip air ring.
- Centralised feeding, batching and weight control, all on the touch screen.
- Friction-type automatic winder, single or double.

OPTIONAL

- Mixer, 200 kg
- Four-component feeder
- Loss-in-weight feeder
- Corona treater
- Edge-trim recovery machine, standalone or with feeder
- Water chiller
- Air compressor
- Vacuum loader

WARRANTY & AFTER-SALES SERVICE

Every machine carries a warranty of one (1) year from the date of commissioning, covering the repair or replacement of parts in case of manufacturing defects. It does not cover malfunctions resulting from misuse, neglect or external factors such as unstable power, accidents, tampering or force majeure, nor wearing parts consumed in normal operation — sealing knives and cutting blades, Teflon tape, heaters, filters and screens.

Installation, commissioning and operator training are arranged by Miroplastic, and an operating manual is supplied with each machine. Technical support is available by telephone and email during the warranty period and thereafter. Spare parts and consumables are available from Miroplastic.

Photographs are for reference only. Miroplastic reserves the right to improve the specification of its machines without prior notice. Actual output depends on the material, width and thickness run.

