



UNMATCHED QUALITY  
COMPLETE RELIABILITY



## Company:

AE make co-ex blown film lines are being manufactured based on wide engineering experience and are available in the widest range from mono layer, ABA, Two layer, Three layer and Five layer technical grade films with output and widths as per customer requirements. These lines can also be customized to suit your applications to the optimum level.

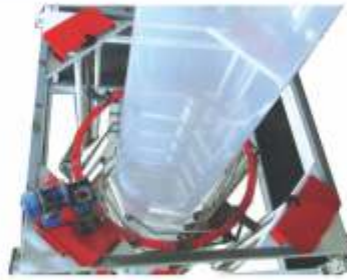
With the objective of meeting the new challenges faced by the market for improved film properties and cost optimizations. AE's power efficient, high speed Multilayer Blown Films Line gives the advantages of lower conversion costs, high outputs and excellent film quality, providing processors the competitive edge and quick return on their investment.

### 3 – 5 LAYER

**ADROIT** – Multi layer co-extrusion blown film lines are available in a wide range of configurations from Three to Five layers to produce variety of films like lamination grade films, liquid packaging films, ultra high barrier films, high dart FFS resin sacks films, meat and cereal packaging films, oil packaging films, pharma and medical grade films, pallet hooding shrink/stretch films, green house films, silage and mulch films and chemical / soap packaging films.

#### 5 layer POD

To meet specific needs, all-PE 5 layer co-extruded blown film line benefitted with down gauging, lower cost of final film, adaptability across applications enhances the ROI still further.



This 5 layer line while ensuring a thin skin layer of property polymers and a thick core layer of inexpensive materials, offers enough versatility for processors to produce films that comply to difficult industry demands with specifications that provide a competitive edge to its customers' business, both in terms of diverse film properties and of course costs. The film capabilities with a 5 layer are significant when compared to a conventional 3-layer alternative.

## SPECIFICATION

- Maximum Film Width: 3000 mm
- Maximum Film Output: 500 kg/hr
- Film Thickness Range: 20 to 200 micron
- Layer Ratio- (1:1:1 TO 1:3:1)

## SPECIAL FEATURE

- Imported IBC control
- Fully Automatic Two station surface winder with taper tension control
- Hydraulic Unloader
- Gravimetric Batch blender along with GSM control system
- Imported Auto Film Thickness Measurement control system with Auto Cooling Ring
- Imported Auto width measurement system
- Touch Screen computerised control panel



## MONO LAYER

Adroit offers widest range of customized monolayer blown film lines to suit a broad spectrum of resins, applications and output levels. Customers opting for monolayer can therefore be sure to produce best film quality with economical use of resources, short start-up and low change-over times as well as reduced waste and high productivity.



## SPECIFICATION

- Maximum Film Width: 3000 mm
- Maximum Film Output: 200 kg/hr
- Film Thickness Range: 20 micron to 150 micron

## SPECIAL FEATURE

- Barrier screw
- Gravimetric blending /dosing system
- Liquid PIB dosing system
- Oscillating haul-off
- Internal bubble cooling
- Motorized bubble cage
- Die Rotation etc

## APPLICATIONS

- PE general purpose films
- HDPE pick-up bags
- Shade-net film
- Shrink films
- Tarpaulin films etc.

## A/B/A & A/B Blown Film Plant

- ABA layer blown film line significantly reduces the cost of raw material while keeping plastic film quality at a high level. Besides reducing amount of raw material, another advantage of ABA plastic film extrusion machine is that the produced 3 layer film is 30% stronger than mono layer.
- One extruder for both A-layer, which is smaller, operates slower and only delivers 30%-40% new plastic resins,
- The other extruder for middle B-layer, which is a layer that uses recycled plastic resins and  $\text{CaCo}^3$  to reduce the costing.

## SPECIFICATION

- Maximum Film Width: 3000 mm
- Maximum Film Output: 200 kg/hr
- Film Thickness Range: 20 micron to 150 micron

## SPECIAL FEATURE

- Hopper Loader
- Embossing Roll,
- Two Station Surface Winder
- Bi-Metalic Screw & Barrel Set
- Die is with Sp. Feature to run ABA/AB both

## APPLICATIONS

- A/B Applications include Mulch Film PE general purpose films, HDPE pick-up bags, shade-net film, PE lamination films, stretch and cling films, shrink films, anti-rust films and Tarpaulin Films.
- A/B/A meant for typical application like shopping bags with a finished printing surface on both the sides adding value to the end product.
- Material Used : LDPE, LLDPE, HDPE,  $\text{CACO}_3$ , etc.



## ACCESSORIES

### SINGLE COMPONENT GRAVIMETRIC SYSTEM (EPC)



- Gravimetric is a continuous loss-in-weight dosing unit designed for extruder feeding and supervision, it manages the weight-per-meter ratio of the extruded material in a closed loop. A control algorithm supervises the haul-off speed in combination with the extruder, thereby keeping a constant quantity of extruded material for every linear meter also in multilayer applications.
- Easy installation of the weigh hopper directly on the extruder throat replacing the conventional feed hopper.
- We also provide SCADA software for visualization of all the data and machine operations by just sitting in the office. You can also download and save the process data from the system.

### HOPPER LOADERS

- Vacuum transfer of plastic pellets and regrinds, from material source to a hopper or bin, over moderate distances using powerful three-phase vacuum motors.
- Standard models are designed for plate/flange mount to existing bins or hoppers.
- Cost effective central blower and control to cater two or three loaders simultaneously.



## ACCESSORIES

### VERTICAL GRANULE MIXER WITH DRIER

- Vertical Mixer is for mixing Plastic granules, Master batch etc.
- Low power consumption compared to tumbler mixer.
- Heater Chamber is provided inside the drum which is connected to the Heater and blower
- Blower to remove the moisture from the material.
- Available from 75 kg to 400 kg capacity.



### GUSSET BOARD ASSEMBLY

- Gusset Board Assembly to make Full (100%) Gusseted Film.
- Wooden And metal Gusset Board Options Are available.
- Gusset will be available with motorized operation also
- Can be installed on any machines.

### BUBBLE SLIT ASSEMBLY



Manufacturer Of Innovative Blown Film Plants and Allied Accessories



We serve following all over the world

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**Machine Up gradation**

**After Sales & Support**

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