



EXTRUSION  
ISO 9001:2008



*High Productivity  
Low Power Consumption  
Fast Turn Over*



**BFT** series

Model  
FK/BFT-50/55-1100

**A/B/A Three Layer  
Co-Extrusion Blown Film Line**





# BFT series I

## A/B/A Three Layer Co-Extrusion Blown Film Line

Main Advantage & Break Through:

Major percentage of recycled material & CaCo3 can be processed in the middle layer to save raw material cost.

### 3 layer co-ex die with rotary head

The extruder is built with a screw barrier flight design at the length ratio of 28:1 in order to achieve the best plasticization, mixing result and high extrusion output rate. A heavy duty gear box with SKF thrust bearing of Swedish origin is complete with forced type lubrication oil pump and cooler, ensuring long running life. Bimetal screw and barrel as an option to extend running life.



3 layer Co-extrusion die head of A/B/A structure with spiral channel design to give smooth parison flow and allow pressure drop to avoid the die line. The air ring of the aluminum casting chamber with high precision machining and a polished air surface gives an even air flow and maximum stability. Heat insulation is provided in between the air ring and the die head to give a better control of air cooling. The turbo blower with inverter control gives accurate volume adjustment, and is the standard device. A bubble cage, with height and diameter adjustable by motor as standard attachments.

The surface friction type design winder provides hand-free operation from film winding to reel change. Film cutting is controlled by the auto counter to sound the alarm when the setting meter is reached and the film is to be automatically cut by the air knife, which is operated by the rod less air cylinder. Double station winder positioned as back to back, face to face, or up and down is an option when the open film is to be cut into single layer. EPC or CPC is an option for edge or center control.



Model

FK/BFT-50/65-1100



Model  
FK/BFT-50/55-800



Model  
FK/BFT-55/70-1300



## Specifications

## BFT series A/B/A Three Layers Blown Film Line

Model	BFT-50/55-800	BFT-50/55-1100	BFT-50/65-1100	BFT-55/65-1300	BFT-55/70-1300	BFT-65/75-1600
Resin	HDPE + MB / HDPE + LDPE / LLDPE + REGRIND + CaCo3 compound / HDPE + MB					
Max. film width	700 mm	1000 mm	1000 mm	1200 mm	1200 mm	1500 mm
Film thickness	0.01 - 0.05 mm	0.01 - 0.05 mm	0.01 - 0.05 mm	0.01 - 0.05 mm	0.01 - 0.05 mm	0.01 - 0.05 mm
Extrusion capacity	80 kg/hr	100 kg/hr	120 - 140 kg/hr	120 - 140 kg/hr	130 - 160 kg/hr	180 - 200 kg/hr
Extruder	Smooth bore screw					
Screw diameter	50 mm & 55 mm	50 mm & 55 mm	50 mm & 65 mm	55 mm & 65 mm	55 mm & 70 mm	65 mm & 75 mm
Screw L/D	28:1	28:1	28:1	28:1	28:1	28:1
Temperature	2+3	2+3	2+3	3+3	3+3	3+4
Main drive	20 HP / 30 HP	20 HP / 30 HP	20 HP / 40 HP	30 HP / 40 HP	30 HP / 50 HP	40 HP / 60 HP
Extruding die	A / B / A 3 layer structure with spiral design					
Die lip diameter range	60 - 100 mm	90 - 140 mm	90 - 140 mm	120 - 150 mm	120 - 150 mm	150 - 220 mm
Bubble cooling	3 HP + inverter	3 HP + inverter	5 HP + inverter	5 HP + inverter	7.5 HP + inverter	10 HP + inverter
Temperature control	2 zones	3 zones	3 zones	3 zones	3 zones	3 zones
Take-up unit	Tower height fixed type					
Driving motor	1 hp	2 hp	2 hp	2 hp	2 hp	3 hp
Line speed	30-80 M/min	30-100 M/min	30-100 M/min	30-100 M/min	30-100 M/min	30-100 M/min
Tower height	5000 mm	7000 mm	7000 mm	7000 mm	7000 mm	9000 mm
Winder	Manual Cut	Surface friction type, auto film cut				
Winding roller	260 mm dia	300 mm dia	300 mm dia	300 mm dia	300 mm dia	300 mm dia
Winding motor	0.3 kg/cm AC torque	2 hp DC torque	2 hp DC torque	2 hp DC torque	2 hp DC torque	3 hp AC + inverter
Winding speed (Max)	30-80 M/min	30-100 M/min	30-100 M/min	30-100 M/min	30-100 M/min	30-100 M/min
Winding diameter	700 mm	700 mm	700 mm	700 mm	700 mm	700 mm

- Specifications are subject to change without prior notice for further improvement.
- Actual production output will be varied due to the materials & film performance.



### HEAD OFFICE:

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