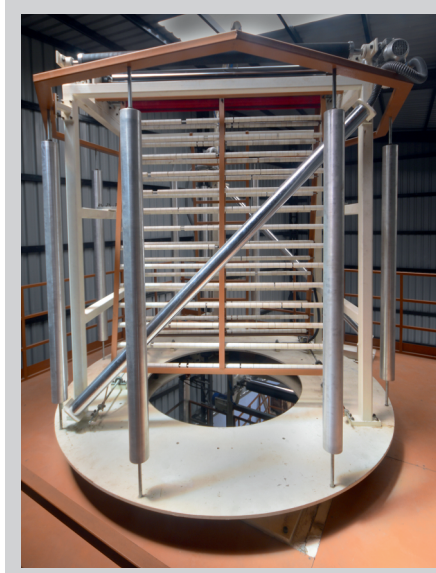


Vertical Oscillating Haul-off

In addition to thickness deviation, film flatness and curvature are also both influenced by the processing properties. To compensate for these variations, and to randomize their affect, Saimech Extrusion Technik has developed a modular oscillating haul-off unit with ± 350 degree rotation. Vertical turning bars, with air slides, guarantee energy saving and easy operation. And the use of the oscillating haul-off unit allows for the replacement the typical rotating die head by a stationary die head which provides a solution to die leakage, reduces the problems from a long spiral channel in the die head, and minimizes uneven heating and difficult maintenance.

All of this makes it possible to provide excellent film flatness with a wrinkle-free edge. Meanwhile the oscillating haul-off unit makes it easier to produce multi-layer film products by simplifying the control of the recipe and technical processing. The vertical oscillating haul-off unit effectively randomizes the tolerance of film thickness which is influenced by the die, the air ring, the tower to guarantee the outstanding quality of the film roll to meet the strict requirements demanded by flexographic and rotogravure printing.



Technical Specifications of A-B-C TYPE THREE LAYER FILM PLANT

MODEL	UNIT	SAI-1100	SAI-1350	SAI-1700
Roller Size	MM	1100	1350	1700
Max. Lay Flate	MM	550-1000	750-1250	900-1600
Thickness Range	Microne	25-150	25-150	25-150
Max. Output	Kgs/hr	140-150	165-175	200-210

EXTRUDER

Screw Dia. (A/B/C)	MM	45/55/45	45/55/45	55/65/55
L/D Ratio	-	30:1	30:1	30:1
Motor Rating (A/B/C)	KW	15/15/15	15/22.5/15	22.5/30/22.5

DIE

Lip Size LL/LD	MM	250	300	350
Gauge Randomization		Through Oscillating Vertical Reversing Haul-off Unit		

WINDER

Two Station Pneumatic Surface Winder

Roller Size	MM	1100	1350	1700
Motor Rating	KW	1.5X3	1.5X3	1.5.X3

Installation

Connected Load	KW	115	118	140
Total Space (LXWXH)	MTR	7X3.5X6.5	7.2X4.5X7	8.8X5.5X9.5

Optional Attachments:- Hopper Loader with Dryer, Heat Exchanger, Melt Pressure Indicator, Water Chiller, Air Chiller, Corona Treater, Air Shaft, Web Aligner, True Weight Gravimetric Auto Fidler, PLC-HMI Control.

Applications:- General Purpose Film | Stretch Film | Liner Bag | LD Shrink Film | Surface Printing Bag | Mulch Film | Agriculture Film | Lamination Film.



SAIMECH EXTRUSION TECHNIK

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EXTRUDER & DIE

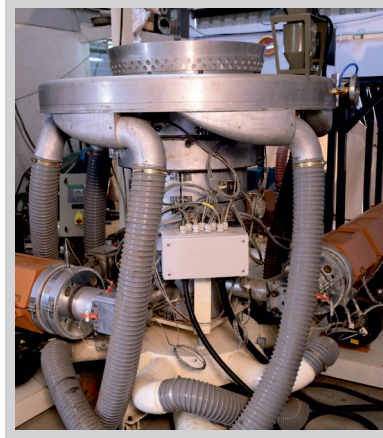
Extruder

Saimech Extrusion Technik has successfully developed energy efficient double flight barrier screw & suitable barrel with grooved feed bush. The Barrier design maintain average temperature during homogeneous mixing. other benefits are more throughput, melting uniformly & proper pumping of material.



Die Head

Saimech Extrusion Technik has successfully developed different kinds of high performance die head. The advanced design shortens the flow path for melt and gets good thickness variation even across different kinds of resins.



Types of Die Head

- ✦ Mono Layer Die Head
- ✦ Two Layer Die Head
- ✦ A-B-A Die Head
- ✦ Three Layer Die Head

Technical Specifications of MONO LAYER FILM PLANT

MODEL	UNIT	SAI-M-450	SAI-M-900	SAI-M-1100	SAI-M-1350
Roller Size	MM	450	900	1100	1350
Max. Lay Flate	MM	150-350	450-800	500-1000	650-1250
Thickness Range	Microne	20-80	15-100	15-100	20-120
Max. Output	Kgs/hr	35-40	55-60	70-80	90-100

EXTRUDER

Screw Dia.	MM	35	45	55	65
L/D Ratio	-	30.1	30.1	30.1	30.1
Motor Rating	KW	7.50	15	22	30

DIE

Lip Size LL/LD	MM	75	150	250	300
Lip Size/HM-HDPE	MM	65	90	125	-
Gauge Randomization		By Rotary Die (optional)			

WINDER / Take off

Roller Size	MM	450	900	1100	1350
Motor Rating	KW	0.75	1.5	1.5	1.5

Installation

Connected Load	KW	25	36	52	60
Total Space (LXWXH)	MTR	3X3X4	3X3.2X4.5	7X3.8X6	7.5X4.5X6.8

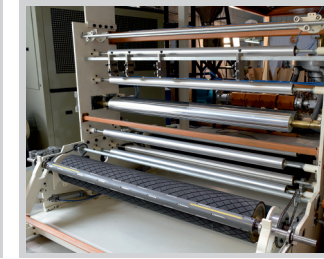
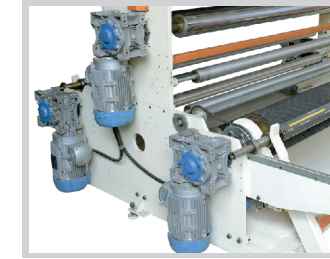
Optional Attachments:- Hopper Loader with Dryer, Heat Exchanger, Melt Pressure Indicator, Water Chiller, Air Chiller, Corona Treater, Air Shaft, Web Aligner.

Applications:- General Purpose Film | Liner Bag | LD Shrink Film | Stretch Film | Lamination Film | Printing Film

WINDING UNIT

Surface Winder

Saimech Extrusion Technik has successfully developed two station pneumatic surface winder with varying line speeds. Banana rollers are provided for produce wrinkle free and excellent quality rolls. Specially developed bubble layer cutting unit (lochha cutter) for proper slide slitting.



Technical Specifications of A-B-A TYPE 3 LAYER FILM PLANT

MODEL	UNIT	SAI-750	SAI-900	SAI-1100	SAI-1350
Roller Size	MM	750	900	1100	1350
Max. Lay Flate	MM	300-650	450-800	500-1000	650-1200
Thickness Range	Microne	20-100	20-100	20-120	20-120
Max. Output	Kgs/hr	60-65	70-75	125-135	125-135

EXTRUDER

Extruder "A" Out Layer & Inner Layer / Extruder "B" Middle Layer

Screw Dia.	MM	A-35 B-45	A-35 B-45	A-45 B-55	A-45 B-55
L/D Ratio	-	30:1	30:1	30:1	30:1
Motor Rating	KW	A-7.5 B-11	A-7.5 B-15	A-15 B-22.5	A-15 B-22.5

DIE

Lip Size LL/LD	MM	-	-	200	250
Lip Size/HM-HDPE	MM	75	90	125	150
Gauge Randomization		Through Oscillating Verticle Reversing Haul-Off Unit			

WINDER / Take off

Single Station Surface Winder

Two Station Surface Winder

Roller Size	MM	750	900	1100	1350
Motor Rating	KW	0.75	1.5	1.5x3	1.5x3

Installation

Connected Load	KW	52	52	88	88
Total Space (LXWXH)	MTR	4X3X4.6	4X3X5	8X4X7	8X4.5X7.5

Optional Attachments:- Hopper Loader with Dryer, Heat Exchanger, Melt Pressure Indicator, Water Chiller, Air Chiller, Corona Treater, Air Shaft, Web Aligner.

Applications:- General Purpose Film | Liner Bag | LD Shrink Film | Stretch Film | Lamination Film