



PLASTIC **EXTRUSION** MACHINERY

S.S. MECHANICAL ENGINEERS PVT. LTD.
An ISO 9001 Company

Multilayer Blown Film Extrusion Machine

Models	: A-B-C Type
Material to be processed	: LDPE/LLDPE/MLLDPE/HDPE
Output Capacity	: 150 Kg/ hr. to 450 Kg/ hr.
Layflat Width	: Max Upto 3000mm

APPLICATIONS

Lamination Film, LDPE Shrink Film, Mulch Film, Courier Bag Film, Liquid Packaging Film, General Purpose Film and Linear Bag Film.

FEATURES

- Optimum product costing due to high productivity with less power consumption.
- Screw & Barrel made of Nitro Alloy Steel Duly gas nitride.
- Spiral type three layer die with dynamically designed air cooling rings for higher output.
- Bubble Guiding Basket
- Microprocessor based PID temperature controller



SPECIFICATIONS

Model	SS 3L-45/55/45-1250	SS 3L-55/65/55-1500	SS 3L-65/65/65-2000	SS 3L-65/75/65-2500	SS 3L-75/90/75-3000
Screw Dia Size	Extruder A-45 mm Extruder B-55 mm Extruder C-45 mm	Extruder A-55 mm Extruder B-65 mm Extruder C-55 mm	Extruder A-65 mm Extruder B-65 mm Extruder C-65 mm	Extruder A-65 mm Extruder B-75 mm Extruder C-65 mm	Extruder A-75 mm Extruder B-90 mm Extruder C-75 mm
Lay Flat Width (MM)	600-1250	800-1500	1000-2000	1400-2500	2000-3000
Film Thickness (Micron)	20-150	20-150	20-150	20-150	20-150
Winder	Semi / Fully Auto Surface Roll Winder				
Max. Extrusion Output (Kg/hr)	180	240	300	350	425

Multilayer Blown Film Extrusion Machine (ABA Type)

Models	: A-B-A Type
Material to be processed	: HM/HDPE/ LDPE/LLDPE Recycled material/CACO3
Output Capacity	: 50 Kg/ hr. to 150 Kg/ hr.
Layflat Width	: Max Upto 1500mm



APPLICATIONS

- **HDPE** : Shopping Bags, Garbage Bags, Cary Bags, Liners, Heavy Duty Bags
- **LDPE** : Agriculture Film, Construction cover Film, Pillow/Mattress cover, Mulch Film etc.

FEATURES

- Optimum product costing due to high productivity with less power consumption.
- Screw & Barrel made of Nitro Alloy Steel Duly gas nitride.
- Spiral type three layer die with dynamically designed air cooling rings for higher output.
- Bubble Guiding Basket / Iris Ring
- Microprocessor based PID temperature controller



ADVANTAGES

- The main advantage of the A-B-A blown film extrusion machine is that it can use **recycled material** with (Calcium Carbonate) in the **middle (B) layer** and **virgin material in outer & inner (A) layer**. This significantly reduces the cost of raw material while maintaining the film quality at a high level.
- Increase the strength by heavy multilayer film structure.
- More economic than the typical 3 Layer ABC Blown Film Extrusion Machine (with 3 Extruders) the ABA Blown Film Machine is equipped with 2 Extruders.

SPECIFICATIONS

Model	SS ABA/32-40/600	SS ABA/35-45/800	SS ABA/45-55/1000	SS ABA/55-65/1500
Screw Dia Size	Extruder A - 32 mm (Inner & Outer Layer) Extruder B - 40 mm (Middle Layer)	Extruder A - 35 mm (Inner & Outer Layer) Extruder B - 45 mm (Middle Layer)	Extruder A - 45 mm (Inner & Outer Layer) Extruder B - 55 mm (Middle Layer)	Extruder A - 55 mm (Inner & Outer Layer) Extruder B - 65 mm (Middle Layer)
Lay Flat Width (MM)	200 - 600	200 - 800	400 - 1000	600 - 1500
Film Thickness (Micron)	20 - 150	20 - 150	20 - 200	20 - 200
Max. Extrusion Output (kg / hr)	60	85	120	150
Machine Dimension (Mtrs.) L x W x H	3.5 x 3 x 4.5	4 x 3.5 x 4.8	4.5 x 4 x 5	6 x 5 x 7

Monolayer Blown Film Machine (Standard Model)

Material to be processed	: HM/HDPE/LDPE/LLDPE
Output Capacity	: 50 Kg/ hr. to 300Kg/ hr.
Layflat Width	: 100mm to 2000mm

APPLICATIONS

- Film for shopping bag
- Film liner
- Shrink film
- Lamination film
- Construction Film
- Agriculture Film



360° Rotating Die

FEATURES

- Optimum product costing due to higher productivity with less power consumption using groove feed barrel
- Nitride screw and barrel made out from special nitro alloy steel for long life and trouble free operations
- Helical gearbox with inbuilt thrust bearing
- Specially designed spiral type die ensuring uniform flow distribution with better thickness control
- Highly density ceramic type band heaters
- Calibrating basket
- Two station Back to back pneumatic surface winder (Semi Automatic/ Fully Automatic)
- Microprocessor based PID temperature controller
- Synchronization of all AC motors



SPECIFICATIONS

Model	SLL-550-H	SLL-650-H	SLL-750-H	SLL-900-H
Screw Dia (MM)	55	65	75	90
Layflat Film Width (MM)	300-1000	400-1200	500-1600	600-2000
Thickness (Micron)	10-200	20-300	20-300	20-400
Max. Extrusion Output (Kg/hr)	90	120	180	260
Machine Dimension (L X W x H)	5.5 x 3 x 5	8 x 3.5 x 6	9 x 4 x 7	10 x 5 x 8

Monolayer Blown Film Machine (Compact Model)

Material to be processed	: HM/HDPE/LDPE/LLDPE
Output Capacity	: 28 Kg/ hr. to 75 Kg/ hr.
Layflat Width	: 75mm to 1000mm



APPLICATIONS

- Film for Carry Bag
- Shopping Bag
- Film Linear
- D cut Bag
- Groceries Bag
- Jabhla Bag

FEATURES

- Compact dimensions results in minimum operating space requirement.
- Optimum product costing due to higher productivity with less power consumption using groove feed barrel.
- Nitride screw and barrel made out from special nitro alloy steel for long life and trouble free operations.
- Helical gearbox with inbuilt thrust bearing.
- Specially designed spiral type die ensuring uniform flow distribution with better thickness control.
- High Density Ceramic Band Heaters.
- Gusseting attachment.
- Microprocessor based PID temperature controller.



SPECIFICATIONS

Model	SS HD/LD-350	SS HD/LD-400	SS HD/LD-450	SS HD/LD-550
Screw Dia (MM)	35	40	45	55
Layflat Film Width (MM)	75-400	100-600	150-700	300-1000
Thickness (Micron)	10-110	10-110	20-200	20-200
Max. Extrusion Output (Kg/hr)	28	40	60	80
Machine Dimension(L X W x H)	2.3 x 1.7 x 3	2.6 x 2 x 3.5	3 x 2.1 x 3.8	3.5 x 2.5 x 4.6

LDPE/LLDPE Wide Width Blown Film Machine

Material to be processed	: LDPE/LLDPE
Output Capacity	: 90 Kg/ hr. to 300 Kg/ hr.
Layflat Width	: 600mm to 3200mm

APPLICATIONS

- Lamination film
- Construction Film
- Tarpaulin Film
- Agriculture Film
- Garbage Bag Film

FEATURES

- Optimum product costing due to high productivity with less power consumption
- Nitride screw and barrel made out from special nitro alloy steel for long life and trouble free operations
- Groove feed barrel delivering consistent higher productivity
- Helical gearbox with inbuilt thrust bearing
- Specially designed spiral type die ensuring uniform flow distribution with better thickness control
- High velocity aluminum casted dual lip air cooling ring for better output
- Calibration basket
- Pneumatic surface winder (semi automatic /fully automatic)
- Microprocessor based PID temperature controller
- Synchronization of all AC motors



SPECIFICATIONS

Model	SS-75-1800	SS-90-2200	SS-120-3200
Screw Dia (MM)	75	90	120
Layflat Film Width (MM)	1800	2200	3200
Thickness (Micron)	25-600	25-600	25-600
Max. Extrusion Output (Kg/hr)	200	260	300
Machine Dimension(L X W x H)	9 x 4 x 7	10 x 5 x 8	12 x 5 x 10

Polypropylene (PP) Blown Film Machine

Material to be processed	: Polypropylene (PP)
Output Capacity	: 35 Kg/ hr. to 100 Kg/ hr.
Layflat Width	: 25mm to 900mm

APPLICATIONS

- Garments and Textile Packing
- Hosiery Product Packing
- Bakery Product Packing
- PP Lamination Film
- Fruits & Veg. Packing

FEATURES

- Optimum product costing due to high productivity with less power consumption
- Nitride screw and barrel made out from special nitro alloy steel for long life and trouble free operations
- Specially designed spiral type die ensuring uniform flow distribution with better thickness control
- Helical Gear Box with inbuilt thrust bearing
- Aluminum Casted Water Chamber
- Microprocessor based PID temperature controller
- Synchronization of all AC Motors



SPECIFICATIONS

Model	SPP-400	SPP-450	SPP-500	SPP-550	SPP-650
Screw Dia (MM)	40	45	50	55	65
Layflat Film Width (MM)	25-250	50 – 450	75-600	100-800	150-900
Film Thickness (Micron)	18-80	18 – 80	18-80	18-80	18-80
Max. Extrusion Output (Kg/hr)	35	45	60	85	100
Machine Dimension(L X W x H)	4.5 x 2 x 3.5	5 x 2 x 3.5	5.5 x 2 x 3.8	5.5 x 2.5 x 4	6 x 2.8 x 4.5

PVC Heat Shrinkable Film Making Machine (Double Bubble Process)

Material to be processed	: PVC Resin/ Granules
Output Capacity	: 5 Kg/ hr. to 50 Kg/ hr.
Layflat Width	: 30mm to 700mm

APPLICATIONS

- Mineral Water Bottles.
- Edible Oils Cans/Bottles
- Food Beverages
- Juices & Cosmetics
- Pesticides
- Shrink Tube for Dry Cell Battery
- LPG Valve Cap Seal & Bus Bars
- Sporting Goods

BENEFITS

- Glossiness
- High Transparency
- Water Resistance and Easy control of Shrinkage
- Best Suited for High End Applications

FEATURES

- Nitride screw and barrel made out from special nitro alloy steel for long life and trouble free operations
- Specially designed spider type die ensuring uniform flow distribution with better thickness control
- Helical Gear Box with inbuilt thrust bearing
- Microprocessor based PID temperature controller
- Synchronization of all AC Motors



360° Rotating Die

SPECIFICATIONS

Model	SPVCS-35	SPVCS-45	SPVCS-55	SPVCS-65
Screw Dia (MM)	35	45	55	65
Layflat Film Width (MM)	30-220	70-300	150-550	200-700
Film Thickness (Micron)	20-80	20-80	20-80	20-80
Max. Extrusion Output (Kg/hr)	5-12	10-20	15-35	20-50
Machine Dimension(L X W x H)	4 x 1.2 x 2.5	5 x 1.5 x 3	6.5 x 2 x 3.5	7.5 x 2.5 x 4

Stretch Film Making Machine

Layer option	: 2 Layer/ 3 Layer/ 5 Layer
Material to be processed	: LLDPE Material
Output Capacity	: 80 Kg/hr. to 500 Kg/hr.
Lay flat Width	: 500mm to 2500mm



APPLICATIONS

- Stretch Film
- Cling Film
- Pallet Wrap Film

Features :

- Specially designed screw with special mixing function and high plasticizing capacity design, to ensure good plasticizing, uniformity color and luster.
- Edge Trim Cutting & Re-feeding system (Zero Wastage).
- Fully Automatic Roll Winder with Auto Cutting and Roll Change over system controlled by PLC with HMI.



SPECIFICATIONS

Model	SS/SF-55/75-1000	SS/SF-65/90/1500	SS/SF-55/75/55-1000	SS/SF-55/90/55-1500
Screw Dia (MM)	55 - 75	65 - 90	55 - 75 - 55	55 - 90 - 55
T- Die Width	1250 MM	1750 MM	1250 MM	1800 MM
Finished Film Width	1000 MM (500 x 2)	1500 MM (500 x 3)	1000 MM (500 x 2)	1500 MM (500 x 3)
Winder	Fully / Semi Automatic Surface Roll Winder / Turret Winder			
Layer Options	A/B or A/B/A	A/B or A/B/A	A/B/C or A/C/B/C/A	A/B/C or A/C/B/C/A
Film Thickness	10 - 50 Micron	10 - 50 Micron	8 - 50 Micron	10 - 120 Micron
Max. Extrusion Output	80 - 125 Kg/hr.	100 - 140 Kg/hr.	100 - 160 Kg/hr.	140 - 250 Kg/hr.



Plastic Re-Cycling Machine

Material to be processed	: HDPE/LDPE/LLDPE/PP/ Plastic Waste
Output Capacity	: 50 Kg/ hr. to 350 Kg/ hr.

APPLICATIONS

- Used to recycle plastic waste of HDPE/LDPE/LLDPE/PP etc. for further use.

FEATURES

- Optimum product costing due to high productivity with less power consumption
- Nitride screw and barrel made out from special nitro alloy steel for long life and trouble free operations
- Helical Gear Box with inbuilt thrust bearing
- Hydraulic type Screen changer

SPECIFICATIONS

Model	RP-65	RP-75	RP-90	RP-100	RP-120	RP-140
Screw Dia (MM)	65	75	90	100	120	140
Max. Extrusion Output (Kg/hr)	50-60	60-80	90-120	100-150	200-250	300-350
Main Drive (HP)	15	20	25	30	50	75
Heating Load (KW)	12	18	22	28	32	36

Double Stage Plastic Re-Cycling Machine(Mother & Baby)

Material to be processed	: HDPE/LDPE/LLDPE/PP Plastic Waste
Output Capacity	: 50 Kg/ hr. to 350 Kg/ hr.

APPLICATIONS

- Used to recycle plastic waste of HDPE/LDPE/LLDPE/PP etc.

FEATURES

- Consisting of Two extruders. 1st Extruder has Longer L/D as compared to 2nd Extruder
- Optimum product costing due to high productivity with less power consumption
- Nitride screw and barrel made out from special nitro alloy steel for long life and trouble free operations
- Helical Gear Box with inbuilt thrust bearing
- Hydraulic type Screen changer



SPECIFICATIONS

Model	SS RP 75/75-DS	SS RP 90/90-DS	SS RP 120/120 DS	SS RP 150/150 DS
Screw Dia (MM)	75,75	90,90	120,120	150,150
Max. Extrusion Output (Kg/hr)	70-120	100-150	170-300	260-450
Main Drive (HP)	35, 7.5	40, 10	75, 25	100, 20



Agglomerator

SPECIFICATIONS

Model	SSAG-400	SSAG-420	SSAG-500	SSAG-565	SSAG-565-S	SSAG-640	SSAG-680	SSAG-755
Vessel Size (MM)	400	420	500	565	565	640	680	755
Main Motor (KW)	5	7.5	11	15	18.75	22.50	30	45
Output (Kg/Hr.)	10-25	15-45	20-55	35-75	55-100	75-150	120-200	175-300



Plastic Scrap Grinder

SPECIFICATIONS

Model	SS-GR-7	SS-GR-9	SS-GR-12	SS-GR-15	SS-GR-22	SS-GR-30
Blade Size (Inch)	7	9	12	15	22	30
No. of Blades	5	6	6	6	6	6
Main Motor (HP)	5	7.5	10	25	30	50
Output (Kg/Hr.)	30-50	50-65	70-100	100-140	170-230	300-400

Washing Machine

SSMECH Offers Washing Machine with superior quality at cost efficient price. These machines are manufactured by incorporating latest technology. This machine is suitable to separate dirty water from plastic waste. the quality of washed material is next to virgin material.

Our machine is appreciated among our clients for durability, performance and efficiency. The easy discharging arrangement and easy operation make it a preferred choice over the available substitutes in the market.



Company Profile

Established in 1980, by a group of dynamic professionals with decades of experience in Plastic Extrusion industry, S.S.Mechanical Engineers Pvt. Ltd., is today known for providing high quality, cost-efficient and highly productive machines for Plastic Extrusion, Printing & Conversion industry.

Having its headquarters in New Delhi and a state-of-the-art manufacturing plant at Bahadurgarh (Haryana), S.S.Mechanical Engineers is well equipped to produce the critical components of Extrusion & Conversion machinery in its in-house R & D and Tool-Room facility. This also gives them an upper hand in quality control measures, resulting in an ISO 9001: 2000 Certification in year 2002.

Over the years, S.S. Mechanical's exports have grown tremendously in countries like; Australia, Austria, Bangladesh, Belarus, Belgium, Congo, Egypt, Kenya, Morocco, Mozambique, Namibia, Nigeria, Rawanda, Saudi Arabia, South Africa, Sri Lanka, Uganda and UAE.



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