

# About PlastSEM

# PlastSEM

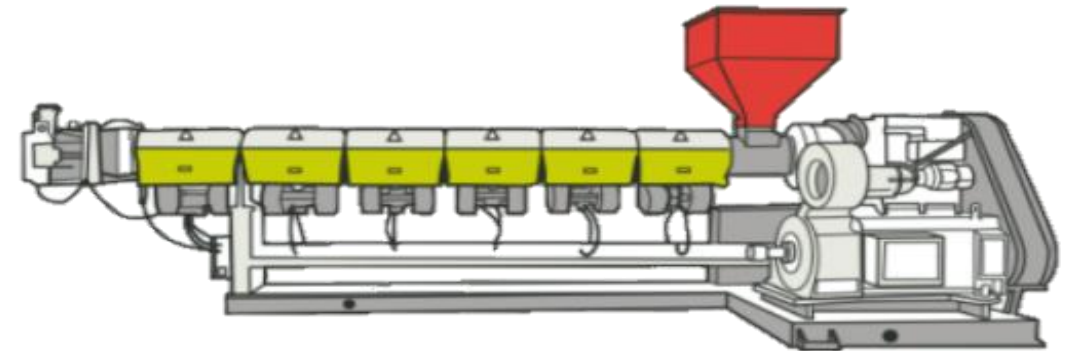
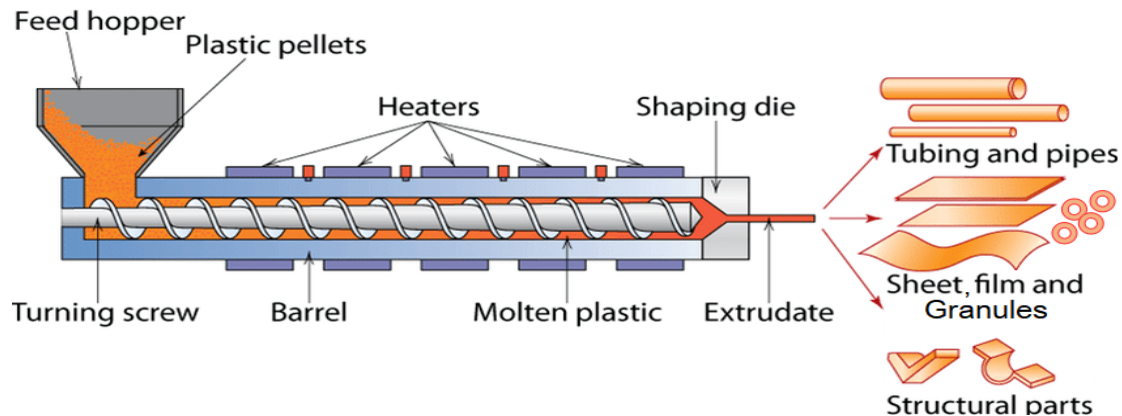
## SHASHI EXTRUSION MACHINERY



**PlastSEM** is an Indian enterprise established in 1987 are manufacturers of machines and components that are used predominantly in the PLASTIC AND ADHESIVE EXTRUSION industries.

We offer a diverse range of solutions and have accomplished a significant name in this business. We are one-of-a-kind machine supplier ideal for achieving HIGH-VOLUME PRODUCTION where time is an important factor.

We have supplied more than 150 machines PAN India and have also exported to countries like Bangladesh, Brazil, Dubai, Kenya, Oman, Madagascar & Nigeria and developed a strong clientele.



### PLASTIC EXTRUSION

We manufacture plastic recycling machines to process plastic waste into quality pellets through Sorting, Washing, Shredding, Extrusion, Compounding, etc. With enormous industry experience we understand the market needs and cater towards innovative advance production technology.

Our machines generate HIGH PRODUCTION with LESS POWER CONSUMPTION, highly durable and long lasting.

# PlastSEM PRODUCT LIST

## PlastSEM- SHASHI EXTRUSION MACHINERY



### Plastic Material:

Low Bulk Density Material, Foam Material  
Hygroscopic Material, Multilayer Film Waste  
LD, HD, PP, HIPS, ABS, PS, PMMA, PA, PS, EPS

#### Screw Barrel

- Single Screw, Twin Screw
- Barrier Screw, Groove Feed Barrels

#### Plastic Recycling Extruder

- Single Stage Recycling Extruder
- Dual Stage Recycling Extruder
- Double Filtration (Laser) Single Stage Extruder

#### Cutter Compactor Machines

- Automatic Single Stage Extrusion With Cutter Compactor
- Automatic Dual Stage Extrusion With Cutter Compactor

#### Plastic Automatic Washing Line

- Material Grinding And Washing Line
- De-watering/Dryer Unit
- Squeezing Machine (Direct Popcorn Agglo Form Product)

#### Plastic Recycling- Accessories Material Preparation And Feeding

- High Speed Crusher, Agglomerator, High Speed Mixer,
- Blade Sharpening Machine, cutter, Grinder
- Silos, Conveyors, HMI Control Panel, Roller Feeding

### Adhesive Materials

Polyethylene-vinyl acetate series

Polyamide , Polyolefin, Polyurethane Hot Melt  
Adhesive (PUR HMA),

#### Hot-Melt Adhesive Extruder

- Hot Melt Adhesive Granules And Chip
- Eva Hot Melt Glue Stick, Glue Rod

#### INDIA'S FIRST Under Water Pelletizer Unit

- Under Water Cutting Unit
- Centrifugal Drying Unit

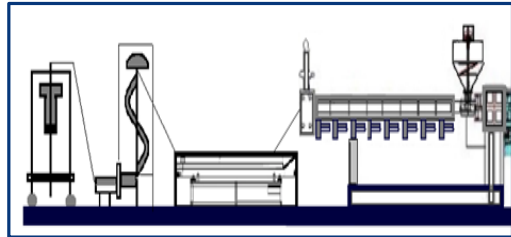
# WASHING & EXTRUSION



WASHING LINE		
GINDING & WASHING	DE-WATERING UNIT/DRYER UNIT	SQUEEZING DRYER MACHINE
<ul style="list-style-type: none"> <li>- Automatic</li> <li>- Semi Automatic</li> </ul>	<ul style="list-style-type: none"> <li>- Horizontal</li> <li>- Vertical</li> </ul>	<ul style="list-style-type: none"> <li>- Convert MLP-FILM into RDF</li> <li>- Direct Popcorn Agglo form</li> <li>- Less than 2% moisture</li> </ul>

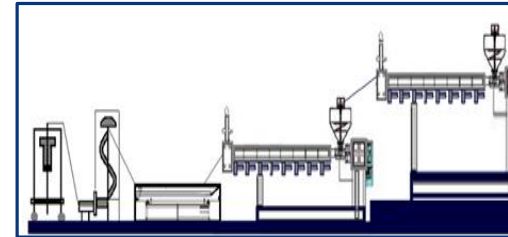
GRANULATION PROCESS		
SINGLE STAGE	DUAL STAGE	DOUBLE FILTRATION
<ul style="list-style-type: none"> <li>-Film Waste: Fully Automatic Cutter Compactor)</li> <li>-Film Waste: Semi-Automatic (Hopper)</li> <li>-Rigid Waste: Semi-Automatic (Hopper)</li> </ul>	<ul style="list-style-type: none"> <li>-Film Waste: Fully Automatic (Cutter Compactor)</li> <li>-Film Waste: Semi-Automatic (Hopper)</li> <li>-Rigid Waste: Semi-Automatic (Hopper)</li> </ul>	<ul style="list-style-type: none"> <li>-Film Waste: Single Stage-Double Filtration Technology</li> <li>-Rigid Waste: Single Stage-Double Filtration Technology</li> </ul>

# SEM EXTRUDER-GRANULATION MODELS



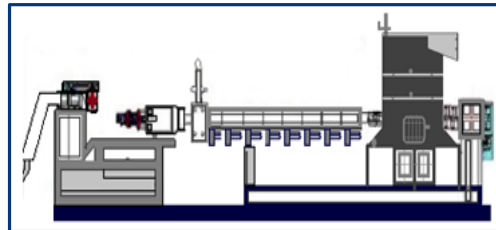
## SINGLE STAGE SEMI AUTOMATIC

SIZE: 65MM TO 180MM  
OUTPUT: 120KG/HR TO 850KG/HR



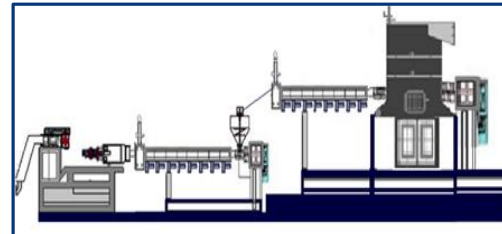
## DUAL STAGE SEMI AUTOMATIC

SIZE: 75MM TO 180MM  
OUTPUT: 150KG/HR TO 850KG/HR



## SINGLE STAGE FULLY AUTOMATIC

SIZE: 65MM TO 180MM  
OUTPUT: 150KG/HR TO 1000KG/HR



## DUAL STAGE FULLY AUTOMATIC

SIZE: 75MM TO 180MM  
OUTPUT: 200KG/HR TO 1000KG/HR

## OTHER ACCESSORIES

AGGLOMERATOR

HIGH SPEED MIXERS

BAILING MACHINE

SHREDDER/ GRINDERS

CRUSHER MACHINE

BLADE SHARPENING MACHINE

# PLASTIC SQUEEZING MACHINE

SEM-SQ300 & SEM-SQ500



SINGLE SCREW BARREL 41B

CERAMIC HEATERS

PELLETIZING UNIT

MATERIAL: WASHED FILM

CONTINUOUS MATERIAL FEEDING

HUMIDITY: LESS THAN 3%

# SEM ULTIMA- SINGLE STAGE- DUAL FILTRATION WITH UNDER WATER PELLETIZER



## SEM ULTIMA

### Process Automation

- SEM ULTIMA creates an Adaptive Environment through Process Automation
- Gives Customer a greater choice of goods as it increases productivity in less time.
- Working process is continuous, streamlined and standardized

### Double Filtration

- Highly Automated Filtration model- eliminate the need of Mother Baby Extrusion
- Laser Filtration Technology

### Cutter Compactor

- Help the process to cut the waste in less time to increase production
- The mixed waste will be easily processed in extruder constantly mixing and cutting efficiently.

### Under Water Pelletizer

- The Cut pellets is immediately quenched and solidified- which helps to retain shape of granules.
- The Temperature controlled water transports the pellets into the centrifugal dryer
- The granules are dried and discharged into the classifier.

# PlastSEM CUSTOMIZED SCREW BARREL

THE SCREW BARREL  
expert in  
PLASTIC EXTRUSION  
MACHINERIES

**PlastSEM** is a manufacturer of superior quality screw barrels with latest technology suitable for plastic extruder machines, blow molding machines, injection molding machines and more.

## TYPES OF SCREW BARRELS:

SINGLE SCREW, TWIN SCREW, BARRIER SCREW and GROOVE FEED BARRELS

## ALLOY MATERIAL:

EN 41B MUSCO, 38 CrMoAl, SACM 645EXALLOY X-306

Screw Size: 45mm to 300mm DIA

Barrel Size: 1000mm to 6000mm in length

BIMETTALIC  
SCREW  
BARRELS

SUPERIOR  
ALLOY  
MATERIAL



NITRIDED  
SCREW  
BARRELS

VENTED &  
NON-VENTED  
SCREW  
BARRELS

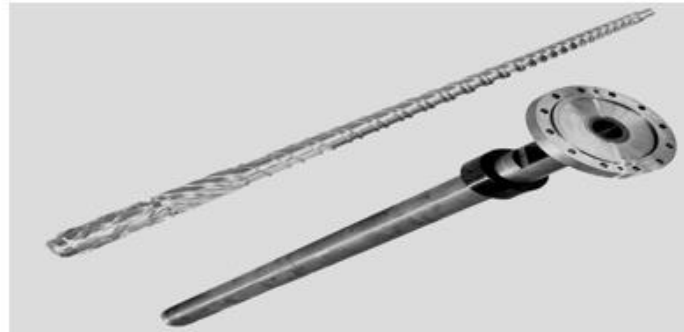
HIGH  
DURABILITY





PlastSEM  
CUSTOMIZED  
SCREW  
BARREL

# THE SCREW BARREL EXPERT IN PLASTIC EXTRUSION MACHINERIES





PlastSEM

CLIENT  
PORTFOLIO

EXCELLENCE  
SINCE  
1987

# PlastSEM

## SHASHI EXTRUSION MACHINERY



Gulnar Plastic

Mittal Polygrain

Transmute Plastics

Huhtamaki India

Amcor

Mega Plast

Jai Corp

AAA Corp India Pvt Ltd.

Hind Elastomers Pvt Ltd.

SuperBond Adhesive Pvt Ltd.

Marksz Traders

Marco Cables India Pvt Ltd

New Star Plastic

Norben International

Leadership

at PlastSEM

# PlastSEM

SHASHI EXTRUSION MACHINERY



**CEO: Sharan Prakash**



**Founder: Shashindran**



**COO: Abinaya TS**

Tel: 9819259249, 9821821559

Email: [info@plastsem.com](mailto:info@plastsem.com)

Website: [www.plastsem.com](http://www.plastsem.com)

# PlastSEM

since 1987



**SHASHI EXTRUSION MACHINERY**  
[www.plastsem.com](http://www.plastsem.com)

Specialist in  
**RECYCLING & WASTE MANAGEMENT**  
PLASTIC & ADHESIVE EXTRUSION

## CONTACT US:

## SHASHI EXTRUSION MACHINERY

Unit 1: Follower Lane, Block No: 1133, Section- 24, Sai Industrial Estate, Ulhasnagar, Mumbai- 421003

Unit 2: A-25, Gemnani Compound, Gaikwad Pada, Ambernath East, Mumbai- 421003

Tel: 9819259249, 9821821559, Website: [www.plastsem.com](http://www.plastsem.com) Email: [info@plastsem.com](mailto:info@plastsem.com)

GST NO: 27AVZPK9322R1ZB