



REUSE ■ RECLAIM ■ RECYCLE



GMS Plastic Machinery Pvt. Ltd.

*Turn your waste
into profits*



GMS Plastic Machinery Pvt. Ltd. is a joint venture Gamma Meccanica (GM) SPA, Italy and Sanghavi (S) Family, India. The combined initials stand for GMS which is synonym to quality and excellence. GMS was formalised in the year 2000 and the company got Registered in the Year 2006. GMS Produces Plastic Extrusion Equipment's with core competence in Complete Range of Plastic Waste Recycling Machines.

Located approx. 50 kms from South Mumbai (Downtown) at Bhiwandi, Dist. Thane, the factory has a state of art production facility. The primary objective is customer satisfaction, and this can only be achieved with the customer having a first-hand feel of the process. We have therefore installed a pilot plant at our facility where we take trials with customer's waste material in the presence of the customer. This material is then returned to be reused on their production line and thereafter converted into an order.

With the EPR Compulsion, New Post-Consumer Recycled (PCR) Waste policy, Polymer prices ever increasing and going through the roof, availability becoming scarce, and competition demanding lower prices, the only solution for any processor is to recycle the waste Plastic and reuse back into the production stream.

Use GMS experience, use GMS technical expertise, and learn how you can ***Turn waste into profits.***



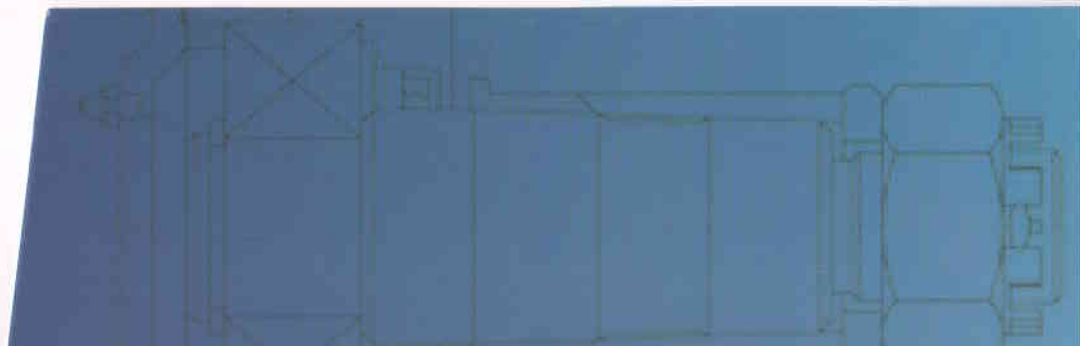
QUALITY AND CAPABILITIES

GMS has been in the forefront supporting Extended Producers Responsibility (EPR). GMS designs each equipment to customers requirements keeping in mind Power Saving, Labour Reduction, Minimum Space Requirement and high Efficiency with minimum Maintenance or Spares Requirements and keeping in mind the latest Laws and Each Countries Rules and Policies. Consumer awareness is on the rise and the Plastic Waste Recyclers are now more conscious and concerned about the ever-increasing waste of Plastics. GMS can supply equipment compliant to any World Standard's ASTM, CE, BIS, ISI, etc.

VISION / MISSION / MOTO

COMMITMENT TO QUALITY AND SERVICE. GMS is India's most popular for Quality, High Savings and Optimum / Ontime Service.

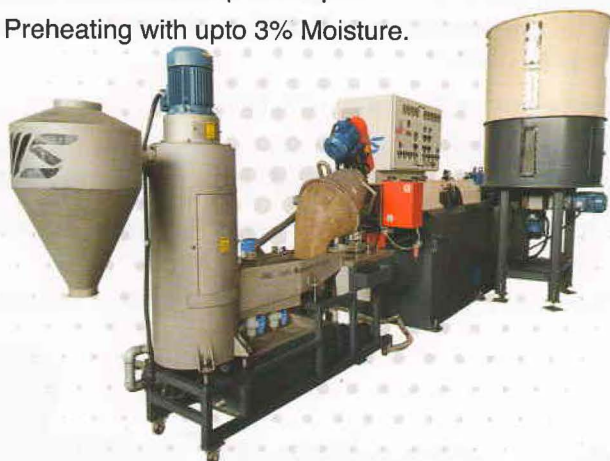
Make In India, has been our moto since inception.



GMS - FORCED FED RECYCLING MACHINES

Salient Features:

- Good for homogenous mix of waste to give colour consistency.
- Suitable for Film, Raffia, Injection / Blow / Roto Moulded, Pipe, Thermoformed Waste or Any Article Waste, alike.
- Elimination of Agglomeration / Densification of Waste wherein the heat degrades the waste.
- The Forced Feeder feed the waste quantity uniform throughout the day.
- Perfect Synchronization with subsequent downstream and upstream Grinders with blower for constant and compact output.
- Elimination of Preheating with upto 3% Moisture.



GMS - SUPERIOR (Forced Fed) Recycling Lines

Superior Model's	Screw Dia	L/D	Total Installed Power in kW	Utilised Power kWh per kgs	Output in Kgs per hour (')
GMS-50	50mm	32 ~ 35	37	0.25 to 0.35	30 ~ 50
GMS-eTrim	Special	Special	37	0.25 to 0.37	40 ~ 70
GMS-60	60mm	32 ~ 35	80	0.25 to 0.37	80 ~ 120
GMS-75	75mm	32 ~ 35	128	0.28 to 0.37	180 ~ 220
GMS-90	90mm	32 ~ 35	148	0.28 to 0.37	280 ~ 320
GMS-105	105mm	32 ~ 35	245	0.28 to 0.37	400 ~ 500

GMS - EPS – EPE – XPS Recycling Lines

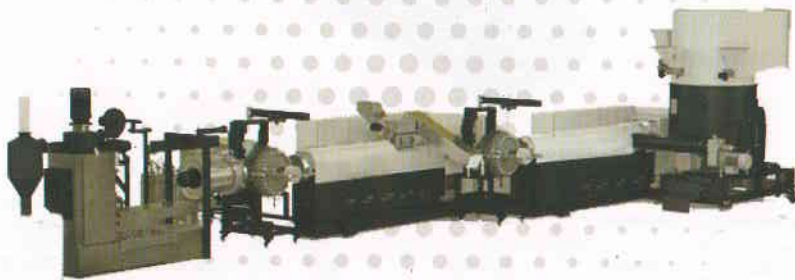
Superior Model's	Screw Dia	L/D	Total Installed Power in kW	Utilised Power kWh per kgs	Output in Kgs per hour (')
GMS-eTrim	100mm	Short	37	0.25 to 0.37	40 ~ 70
GMS-130	130mm	Short	128	0.25 to 0.37	150 ~ 200
GMS-160	160mm	Short	148	0.25 to 0.37	250 ~ 300
GMS-200	200mm	Short	232	0.28 to 0.37	400 ~ 500

GMS - TANDEM

(Mother-Baby) Plants

Salient Features:

- Good for highly gassy (Foamy) Moist, highly printed, Multi-layered Plastics or contains high level of volatiles.
- Suitable for Film, Raffia, Injection / Blow / Roto Moulded, Pipe, Thermoformed Waste or Any Article Waste, alike.
- Both Extruders are very short, so degradation is very less compared to any other Mother-Baby machine.
- The Forced Feeder feed the waste quantity uniform throughout the day. Perfect Synchronization with subsequent downstream and upstream Grinders with blower for constant and compact output. Also, both Extruders are very well synchronised to give optimum output.
- Elimination of Preheating with upto 3 ~ 5% Moisture.
- Patented Venting Section between both the Extruders permits to remove maximum gasses and volatiles created due to contamination in the melt of Waste.
- Both Extruders have online Olio Dynamic Screen Changers depending on dirt in the waste.
- Ultimate Granules from Dieface Cutter or Strand Pelletiser depending on waste type.



GMS TANDEM (MOTHER-BABY) Recycling Lines

Tandem Model's	Screw Dia 1st Stage / LD	Screw Dia 1st Stage / LD	Total Installed Power in KW	Utilised Power kWh per kgs	Output Kgs per hour (')
GMS-50	50mm / 25 ~ 30	50mm / 12 ~ 15	50 ~ 65	0.30 to 0.45	30 ~ 50
GMS60	60mm / 25 ~ 30	60mm / 12 ~ 15	107 ~ 124	0.30 to 0.45	80 ~ 120
G MS-75	75mm / 25 ~ 30	75mm / 12 ~ 15	170 ~ 190	0.30 to 0.45	180 ~ 220
GMS90	90mm / 25 ~ 30	90mm / 12 ~ 15	200~ 230	0.30 to 0.45	280 ~ 320
G MS105	105mm / 25 ~ 30	105mm / 12 ~ 15	320 ~ 350	0.30 to 0.45	400~ 500



GMS - DENSIFIER / CUTTER

COMPACTOR RECYCLING MACHINES

Salient Features:

- Excellent for light material feeding like Film, Non-Woven fabric, Raffia (Woven Sacks Waste, Big Bags / Jumbo Bags), Thermoformed Waste, Fibres, Yarn, Pre-cut Fishnet's, Filaments, etc.
- Densification involves cutting to small pieces without heavy agglomeration and feeding to Extruder.
- Eliminates use of Grinders.
- Blades life is very high.
- Very low Power consumption.
- Elimination of Preheating for material to be reprocessed.



GMS COMPAC (Densifier / Cutter Compactor) Recycling Lines

Compac Model's	Screw Dia	L/D	Total Installed Power in KW	Utilised Power kWh per kgs	Output in Kgs per hour (")
GMS-50	50mm	32 ~ 35	45	0.30 to 0.37	35 ~ 70
GMS-65	65mm	32 ~ 35	150	0.30 to 0.37	180 ~ 220
GMS-90	90mm	32 ~ 35	210	0.30 to 0.35	280 ~ 320

GMS – WASHING & DRYING MACHINES (SEMI-AUTOMATIC)

Salient Features:

- Batch to Batch Feeding is only for Washing Plant subsequent process can be automated with Screw Conveyors, Dewatering (Centrifugal) Driers and Thermal Driers.
- Compact machine with low power consumption and space.
- High Speed and High Friction washing can be achieved.
- Demetallizing or Deprinting can be done using these equipment and proper suggested Detergents.
- High Agitating Action allowing separation of dirt from waste plastics with the help of rotating paddle & coupled with a motor.
- Control Panel with safety devices for the protection and control of the different equipment.
- Washing unit with water contact parts with Stainless Steel Lining. All other equipment water contact parts in Full Stainless Steel.
- Extremely Good for Heavy Waste like Injection / Blow / Roto Moulded, Pipe Waste, Lumps Waste, alike. Can also work well with Film or Raffia Waste with small modification of equipment.
- Extremely Low Power Consumption.
- Thermal Blower with Decantation Cyclone with Jumbo Bag option or Optional Storage Silo can be provided with this unit.
- One Operator and 2 Labour required to operate the Line.



GMS BATCH TYPE SEMI-AUTOMATIC Washing & Drying Lines

Compac Model's	Input Capacity In Kgs per hour (")	Total Installed Power in kW	Drying Capacity with Thermal Drier	Utilised Power kWh per kgs	Output in Kgs per hour (")
GMS-W-150	150	31.1	90 ~ 98%	0.20 to 0.25	80 ~ 120
GMS-W-250	250	38.5	90 ~ 98%	0.20 to 0.25	180 ~ 220
GMS-W-500	500	46.5	90 ~ 98%	0.20 to 0.25	380 ~ 450

GMS – WASHING & DRYING MACHINES

(FULLY-AUTOMATIC)

Salient Features:

- All equipment designed to customer requirements.
- Multistage Washing and Drying possible with GMS Equipment.
- Screw / Belt Conveyors with Ferrous metal magnets provided with the equipment. Optional All Metal detectors also provided to give alarm and stop belt at a fixed position to remove the metal.
- Good for Light (Like Raffia [Woven Sacks], Film, alike) and Heavy waste (like Injection / Blow / Roto Moulded Waste, Pipe Waste, Lumps Waste, alike).
- One Operator and 2 Supervisor + 2 Labour required to operate the line.
- Plant is completely synchronised & interlocked electrically for operator and damage safety.
- Thermal Blower with Decantation Cyclone with Jumbo Bag option or Optional Storage Silo can be provided with this unit.
- High Quality washing can be achieved with this equipment, hence good for really bad Post Consumer Waste.
- Possibility to suggest manufacturers of Effluent Treatment Plants with the machine.



GMS FULLY AUTOMATIC Washing & Drying Lines

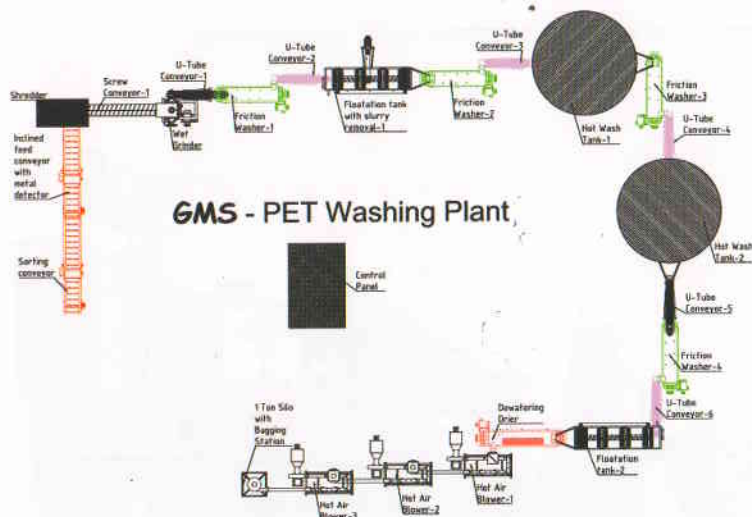
Compac Model's	Input Capacity in Kgs per hour (")	Total Installed Power in kW	Drying Capacity with Thermal Drier	Utilised Power kWh per kgs	Output in Kgs per hour (")
GMS-AWP-250	250	73.10	90 ~ 98%	0.28 to 0.35	150 ~ 220
GMS-AWP-500	500	101.10	90 ~ 98%	0.28 to 0.35	380 ~ 450
GMS-AWP-1000	1000	119.40	90 ~ 98%	0.28 to 0.35	800 ~ 900



GMS - FULLY AUTOMATIC PET BOTTLE WASHING & DRYING PLANT

Salient Features:

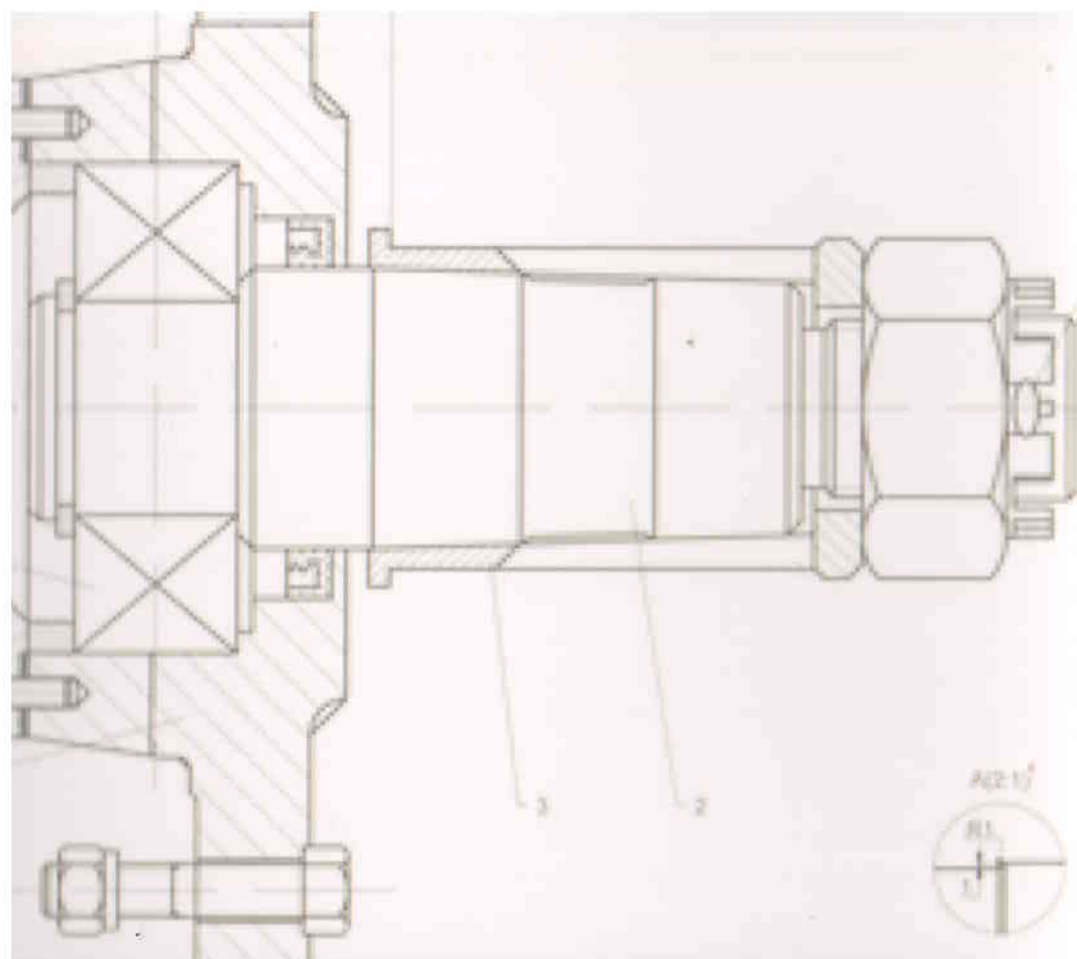
- Multistage HOT Washing and Drying possible with GMS Equipment.
- Label Removing option available.
- Special Belt conveyor to remove Caps and Leftover Labels waste provided.
- Floatation separation of Caps available.
- All Benefits of Fully Automatic Washing Plant apply to these equipment's.



GMS - PET FULLY AUTOMATIC Washing & Drying Lines

Compac Model's	Input Capacity in Kgs per hour (')	Total Installed Power in kW	Drying Capacity with Thermal Drier	Utilised Power kWh per kgs	Output in Kgs per hour (")
GMS-PET-250	250	110	90 ~ 98%	0.40 to 0.50	150 ~ 220
GMS-PET-500	500	145	90 ~ 98%	0.40 to 0.50	380 ~ 450
GMS-PET-1000	1000	280	90 ~ 98%	0.40 to 0.50	800 ~ 900





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