

# RE USE DUCE CYCLE



## PLASTIC WASTE RECYCLING MACHINES

- THREE IN ONE PLASTIC WASTE RECYCLING MACHINE
  - MOTHER-BABY TYPE RECYCLING PLANT
    - VENTED RECYCLING PLANT
  - ROTO – PE COLORING PLANT

EXCEL WITH THE POWER OF **E3** EXTRUSION



ENERGY  
SAVING



EFFICIENT

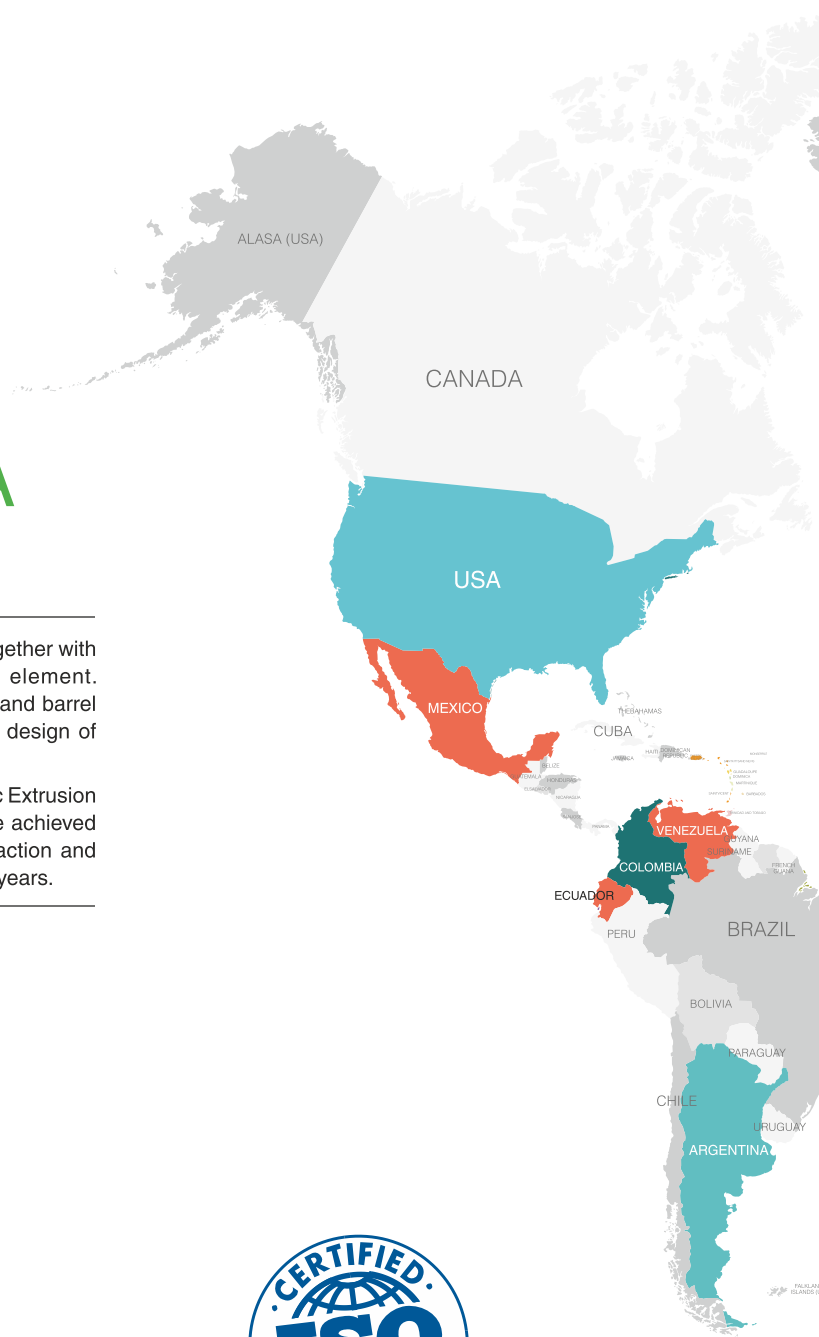


ECONOMICAL

# SUCCESS IS A JOURNEY, NOT A DESTINATION...

At RR PLAST, we have constantly kept on improving our products together with the help of Modern day science, technology and human element. We adopt, latest design technologies in the manufacturing of screw and barrel which is the heart of extrusion line and the latest innovation in the design of post extrusion equipment.

Our vision is to be a Benchmark in Manufacturing of Worldclass Plastic Extrusion lines across the Globe. Based on the spirit of this principle, we have achieved the excellence in our machines, in addition to the Customer satisfaction and due cooperation in development of our products over the past 35 years.



## GROWING GLOBAL COMPANY

WE HAVE SERVED MORE THAN 35 COUNTRIES AND ARE ON THE PATH TO SERVE MANY MORE.

- State-of -The Art Factory Equipped with Modern Age Equipments
- Capability to manufacture and test 10 or more no. of machines per month
- Spread over an Area of 31,095.741 Sq. Yard
- We have installed more than 700 Sheet lines and 150 Inline Round Drip Irrigation Pipe Plants





# THREE IN ONE PLASTIC WASTE RECYCLING MACHINE.

INNOVATIVE RECYCLING TECHNOLOGY WITH HIGHLY EFFICIENT DEGASSING.

## YOUR APPLICATION & OUR SOLUTION

### POST CONSUMER WASTE

Washed PE Flakes



PP Film With Solid Contaminations



Regrind Material



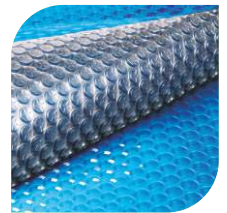
Waste Bags



Garbage Bags



Swimming Pool Covers



### Industrial & Inhouse waste

Film Scraps



Film Sheet



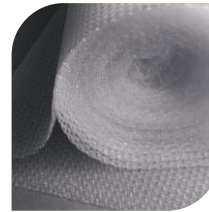
Heavily Printed PE PP Film



PE/PP Film Roll



Bubble Film



PE-LLD Stretch Film



### Non woven, Tape, Fibre, Textile & Foam

PP Raffia



EPS Food Container



Strapping Band



Plastic Ropes



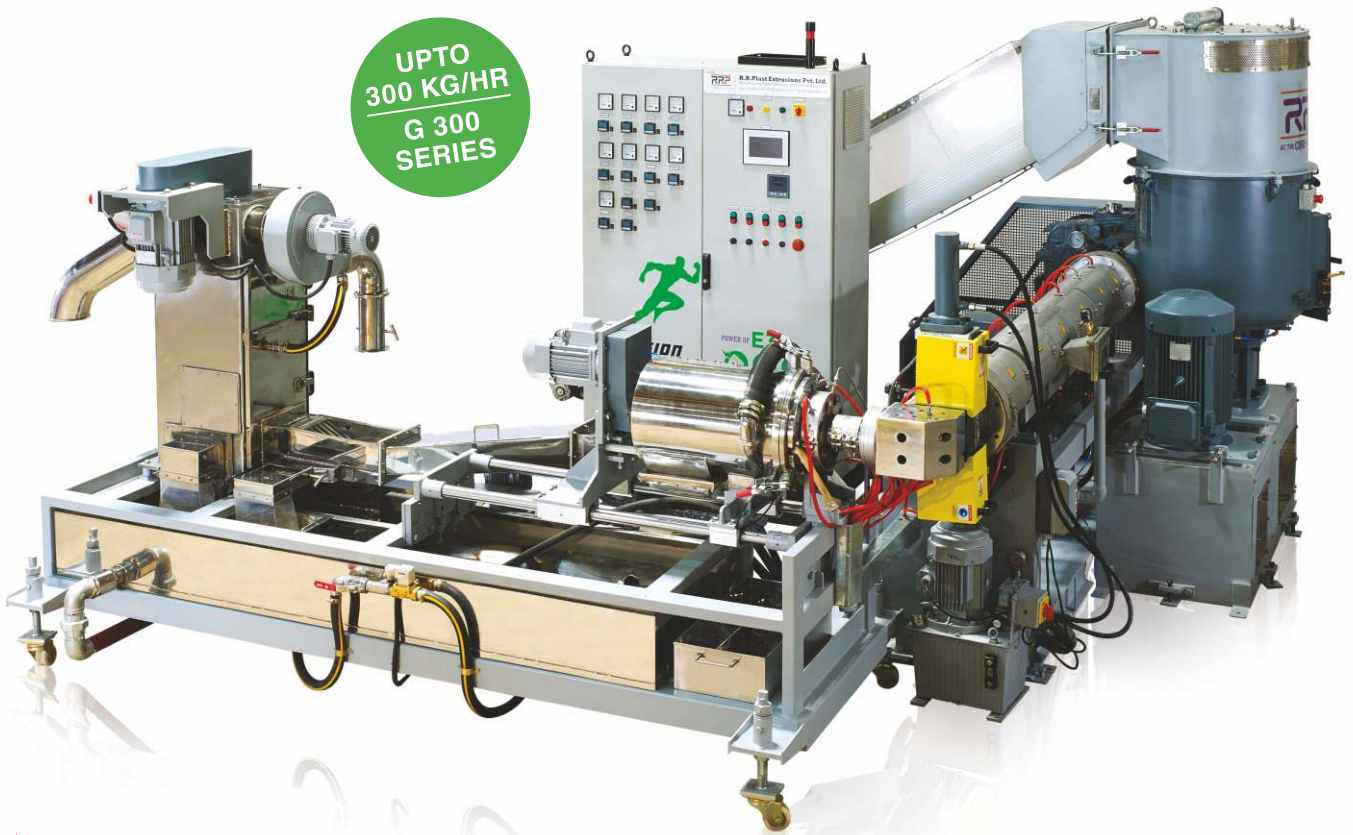
## OUTPUT

Model	75/35V-S700-G300C	90/35V-S700-G300C	100/35V-S800-G300C	RRP 105/38V2-C110-G500C	120/35V-S1100-G500C
PP	100	180	300	400	500
HD	120	200	330	450	500
LD	140	220	350	500	600
Connected Load (kw)	93	141	210	265	286
Running Load (60%) (kw)	56	85	126	159	172



**RECYCLE - SMART AND SIMPLE WAY**

**UPTO  
300 KG/HR  
G 300  
SERIES**



Less Power Consumption



Less Manpower Requirement



Less Material Handling, Leads to Less Material Degradation



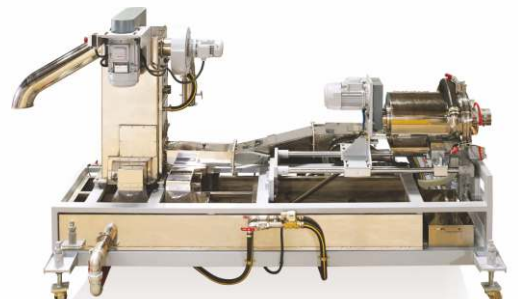
No Need Of Agglomeration



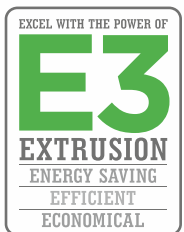
Material Feeding Conveyor



Compactor (Shredder)



Die Face Cutting System



**RECYCLE - SMART AND SIMPLE WAY**

- Fast change over for Different material and colour
- Compact Design leads to fast installation, synchronized operation and efficient performance
- More profit from your waste
- Higher productivity with consistent granule size
- Waste to pellets without degradation of material

**UPTO  
500 KG/HR  
G 500  
SERIES**



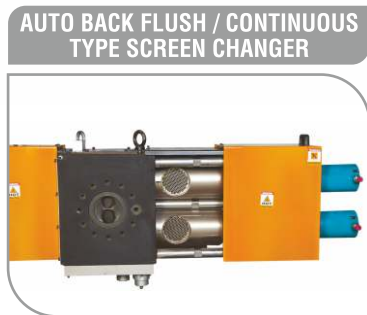
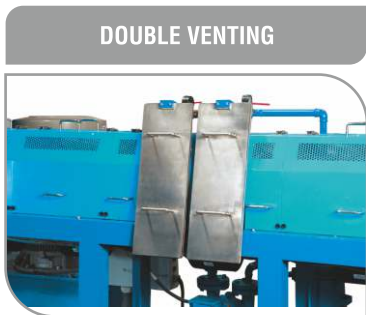
**SAVE**

Power Saving

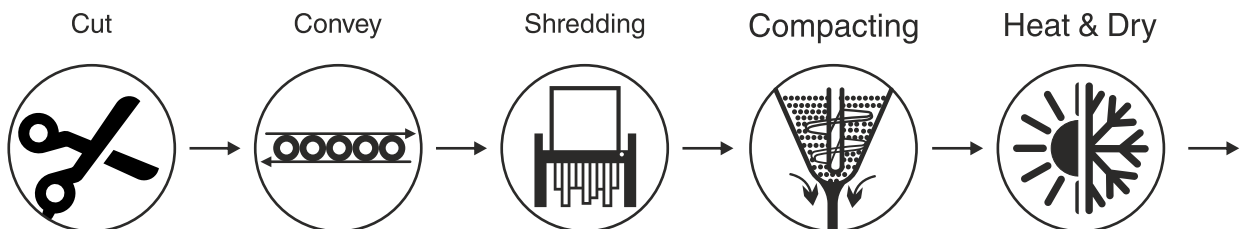
Less Manpower Requirement

Less Material Handling, Leads to Less Material Degradation

Low Investment Cost against Higher Output



**OPERATION**



# STE RECYCLING MACHINE.

## WITH HIGHLY EFFICIENT DEGASSING.

Direct Feed Type Vented Recycling Plant  
With Water Ring Die Face Cutter



### FEATURES

- Developed for Plasticising & Recycling of LD / HD / HM / HD / PP / PS Film / BOPP / PP Film
- Machine suitable to process materials in the form of Mono / Multilayer Film Waste / Highly Printed Film Waste / Metalized / Non – Metalized BOPP-CPP
- All the Oriental Product – Monofilament / Multi Filament / Non-Woven / Woven or Tape or Raffia
- Production Capacity from 100 to 500kg/hr

DEHYDRATOR



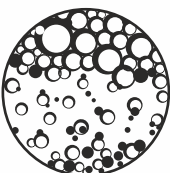
COMPACTOR



Feeding To  
Extruder



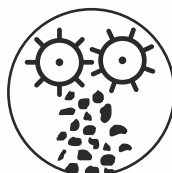
Degassing



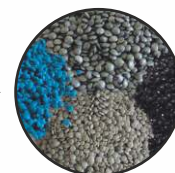
Filtration



Granulation



Granules





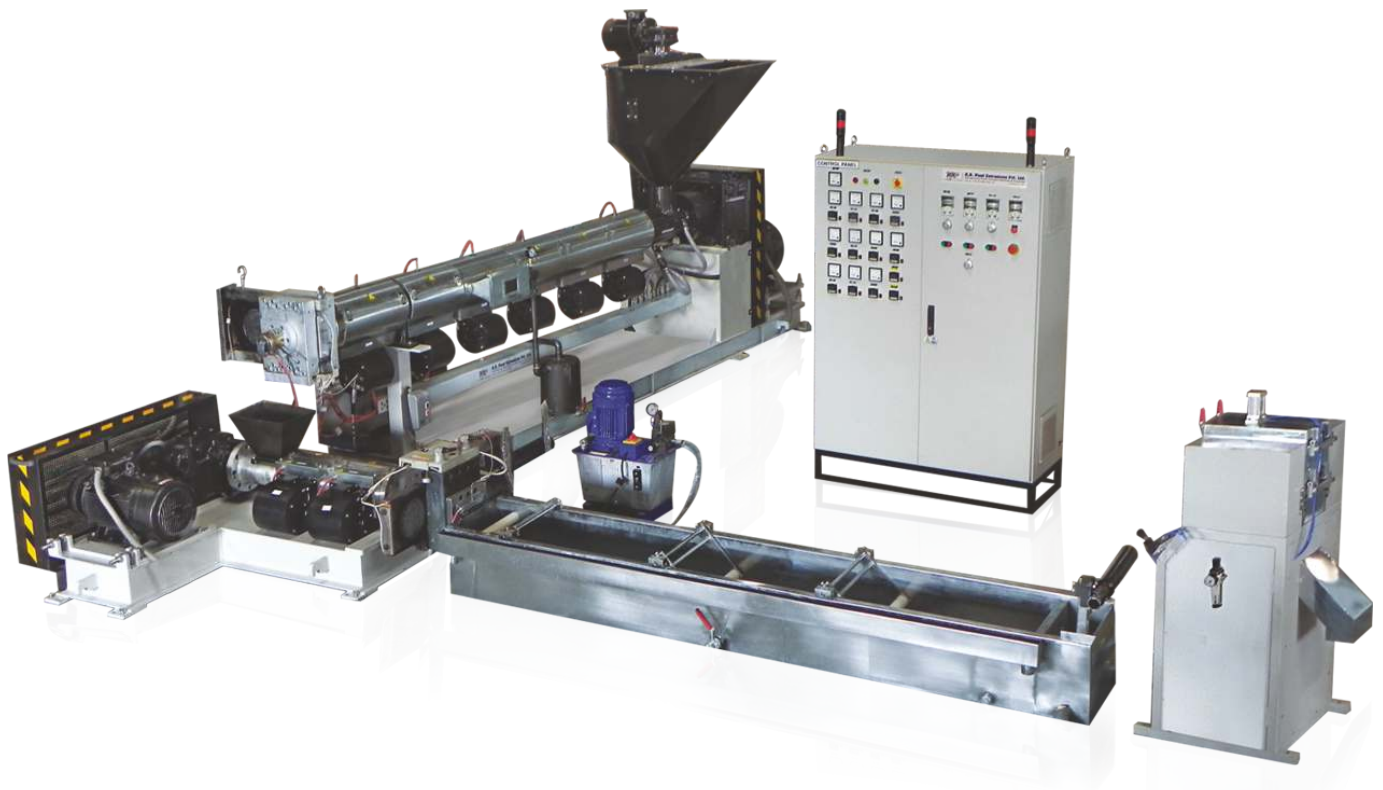
## TWO STAGE VENTED RECYCLING PLANT(MOTHER BABY TYPE) WITH STRAND PELLETIZER / WATER RING DIE FACE CUTTER

### RECOMMENDED FOR

- Highly Contaminated Waste
- Highly Hygroscopic Material (high Moisture)
- Low Bulk Density Material
- Highly Printed Material
- Multilayer Film Waste

### FEATURES

- Both the Extruders have Screen Changer so dual filtration
- Vented mother extruder with double degassing
- No pre-drying of waste material required
- Continuous operation – Reduces wastage and Less strand handling
- Rotary pelletiser for equal size granules
- Higher productivity because of continuous operation.



### TECHNICAL SPECIFICATION (Mother - Baby Type)

Model	Main Motor (kw)	O/P (Kg/hr) (with Agglo)	OP (Kg/hr) without Agglo For low Density material <0.5gm/cm <sub>3</sub>
RRRP-90/35v - 90/10 - 2S	45 + 7.5	200 - 220	110 - 150
RRRP-100/35v - 100/10 - 2S	55 + 7.5	230 - 250	150 - 200
RRRP-120/35v - 120/10 - 2S	75 + 11	300 - 400	200 - 250



# SINGLE STAGE VENTED RECYCLING PLANT WITH STRAND PELLETIZER / DIEFACE CUTTING SYSTEM

## RECOMMENDED FOR

- Article waste
- Agglomerated material
- In-house factory waste
- Pipe waste like Drip/HDPE

## FEATURES

- Vented Extruder
- Hydraulic screen changer with pressure alarm
- AC Drive control for power saving



TECHNICAL SPECIFICATION (Single Stage Type)							
Model	O/P (kg/hr)	Screw Dia (mm)	L/D Ratio	Main Motor (KW)	Rotary Pelletizer		Heating Load KW
					Rotor Width	Motor (KW)	
RRRP-90/35V	160-220	90	35:1	45	6	1.5	36
RRRP-100/35V	200-250	100	35:1	55	6	2.25	42
RRRP-120/35V	300-400	120	35:1	90	6	3.75	49
RRRP-150/35V	400-500	150	35:1	110	6	5.5	55



**ROTO- PE COLORING  
GRANULATION PLANT WITH  
STRAND PELLETIZING TYPE**



**Output  
200-1200  
kg/hr**

**SAVE**



Power  
**0.2**  
Units/kg



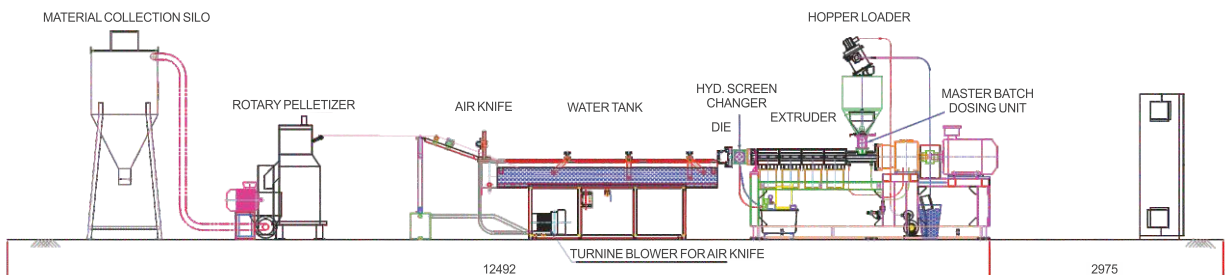
Less Manpower  
Requirement



Less Material  
Handling, Leads  
to Less Material  
Degradation



Low  
Investment  
Cost against  
Higher Output



## DESIGN FOR EASY OF USE EFFICIENCY AND RELIABILITY

### FEATURES

- Better Dispersion of Carbon Black / Masterbatch
- Barrier Screw design with mixing zone
- Auto loading/Auto MB Dozing/Auto Granule Collection
- One man operation
- Consistent Granule size improves pulverizing efficiency

PE ROTO MOULDING  
APPLICATION

0.2 unit / kg.hr  
Power consumption

### ROTO- PE COLORING GRANULATION PLANT WITH DIE FACE CUTTER TYPE



PE ROTO MOULDING COMPOUNDING PLANT					
Model	O/P (kg/hr)	Screw Dia (mm)	L/D Ratio	Main Motor (KW)	Total Power (KW)
RRCP-45/33	180-200	45	33:1	45	60
RRCP-65/33	380-400	65	33:1	75	102
RRCP-75/33	500-550	75	33:1	110	149
RRCP-90/33	700-750	90	33:1	160	207
RRCP-120/33	1000-1200	120	33:1	250	320





## PRODUCT RANGE

### SHEET EXTRUSION LINES

- PP / HIPS Multilayer Sheet Lines for Thermoforming & Vacuumforming
- PET / RPET Mono / Multilayer Sheet Extrusion Lines
- PP Stationery / Decorative Sheet Lines
- PS / ABS / PC / PMMA / PE / EVA / S-PVC Cable Tile (Warning Sheet)
- Sheet Making Extrusion Lines

### RECYCLING PLANT

- Single Stage Vented Type
- 2 Stage Vented Type
- Strand Pelletizing Type
- Water Ring Die Face Cutter Type
- Direct Feed Recycling Plant With DFC
- Roto – Pe Coloring Granulation Plant

### THERMOFORMING MACHINES

- Hydraulic type
- Fully electronic servo based

### PIPE EXTRUSION PLANTS

- Round Drip Irrigation Pipe Plant
- Flat Drip Irrigation Pipe Plant
- HDPE / PPR Extrusion Pipe Plant

### PRECISION TUBE MAKING MACHINERY

- D / F Pen-Polo Barrel / Refill Making Plant
- Lollypop Stick Making Plant



## R. R. Plast Extrusions Pvt. Ltd.



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