

PLASTIC RECYCLING PLANT



**WE SUPPORT
CIRCULAR ECONOMY**

RRPLAST™

Extrusionline Front Runner

CE



SINGLE STAGE VENTED DIRECT FEED RECYCLING PLANT WITH DIE FACE CUTTER

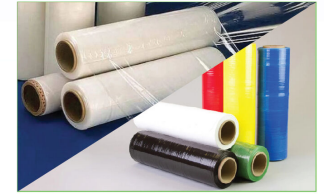
- Recommended for low bulk-density scrap
- Film/Woven sacks/Multi-layer film/ Mono-filament/Fiber etc
- Degassing for highly printed film waste
- LLDPE/HM/HD/PP/BOPP/CPP/Stretch film/Cast film etc
- Cutter compactor/Shredder technology
- Low power consumption 0.3-0.4 kWh/kg (as per material)



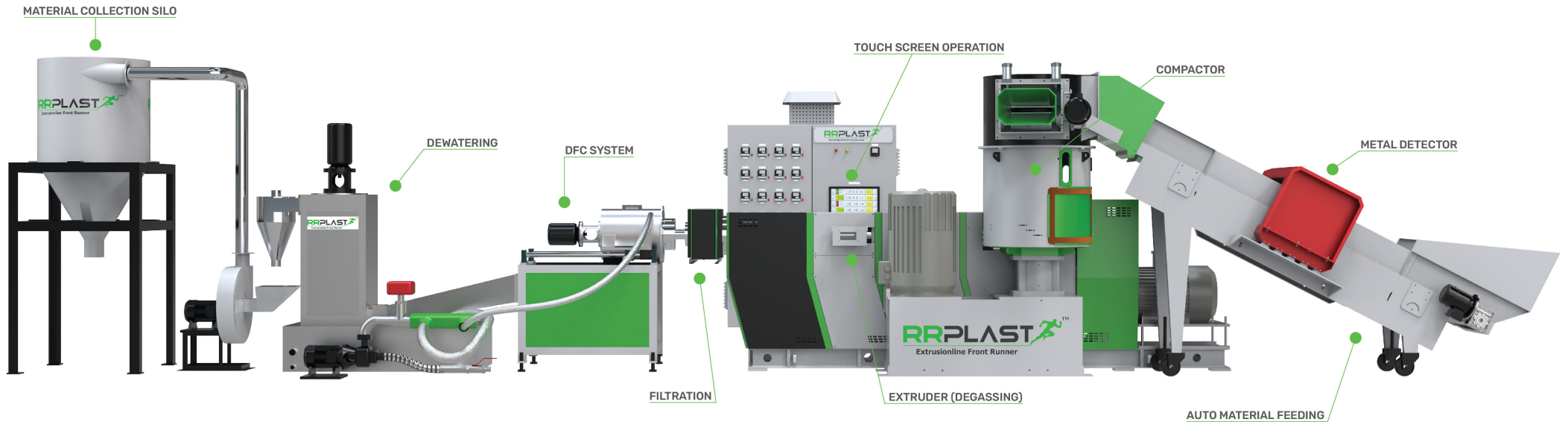
RAFFIA SCRAP



PACKAGING FILM



FILM ROLL



LOW INVESTMENT COST
AGAINST HIGHER OUTPUT



LESS POWER CONSUMPTION



LESS MATERIAL HANDLING
LEADS TO LOW MATERIAL DEGRADATION



NO NEED OF AGGLOMERATION



LESS MANPOWER REQUIREMENT

Main Technical Parameters

Model	Unit	RRRP 75/35V -C800-G500C	RRRP 90/35V -C800-G500C	RRRP 100/35V -C1100-G500C	RRRP 120/35V -C1100-G500C	RRRP 150/35V -C1250-G1000C	RRRP 180/35V -C1250-G1500C
LD - Output	Kg/h	200	300	400	550	800	1100
HD - Output	Kg/h	175	275	350	500	650	1000
PP - Output	Kg/h	150	250	300	450	600	900
Screw Dia	mm	75	90	100	120	150	180
Running Load	Kw	82	109	145	193	243	304

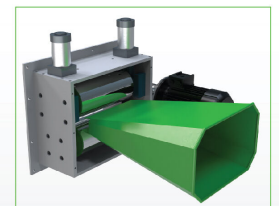
Note: The specification are subjected to change without prior notice



COMPACTOR/
SHREDDER



WRAP TYPE FILTER FOR
LARGE FILTRATION



NIP FEED UNIT FOR
DIRECT ROLL FEED

TWO-STAGE VENTED DIRECT FEED RECYCLING PLANT WITH DIE FACE CUTTER

- Specially recommended for highly printed film waste.
- Also recommended for mixed material/metalized etc.
- Hygroscopic material processing is better.
- Low power consumption 0.3-0.4 kWh/kg.



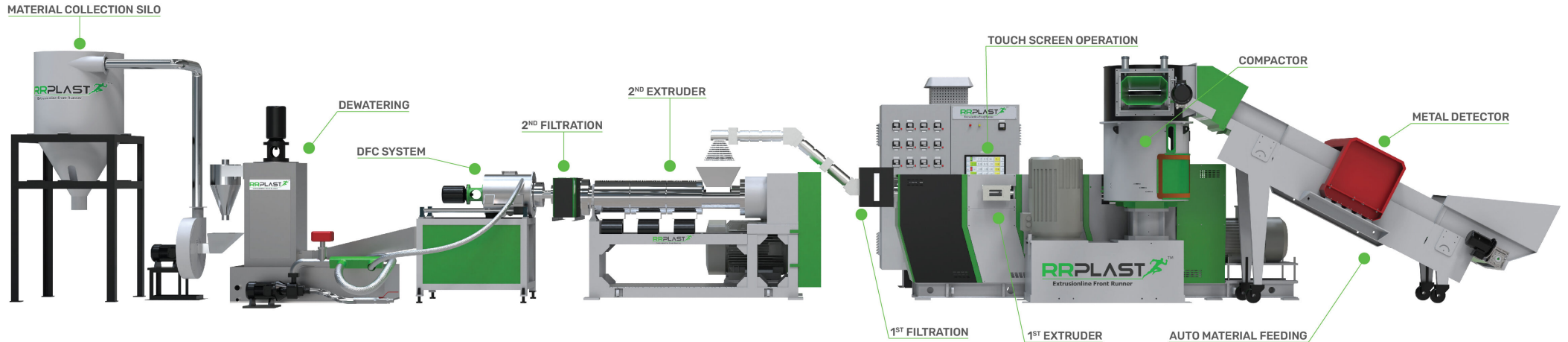
RAFFIA SCRAP



PACKAGING FILM



WRAPPER



Main Technical Parameters

Model	Unit	RRRP 75/35V-100 /10-C800-G500C	RRRP 90/35V-100 /10-C800-G500C	RRRP 100/35V-100 /10-C1100-G500C	RRRP 120/35V-120 /10-C1100-G500C	RRRP 150/35V-150 /10-C1250-G1000C	RRRP 180/35V-180 /10-C1250-G1500C
LD - Output	Kg/h	175	300	400	550	800	1100
HD - Output	Kg/h	160	275	350	500	650	1000
PP - Output	Kg/h	150	250	300	450	600	900
Screw Dia	mm	75	90	100	120	150	180
Running Load	Kw	100	128	170	236	275	370

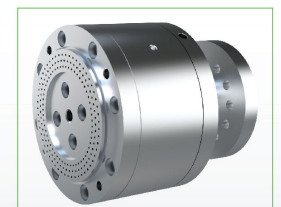
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WRAP TYPE FILTER FOR
LARGE FILTRATION



METAL DETECTOR



DFC DIE

SINGLE STAGE VENTED RECYCLING PLANT WITH DIE FACE CUTTER

- Solid waste recycling plant
- Recommended for article waste (Injection moulding/Blow moulding/Pipe)
- Agglomerated film waste
- In-house all types of waste
- Strand palletizer is available



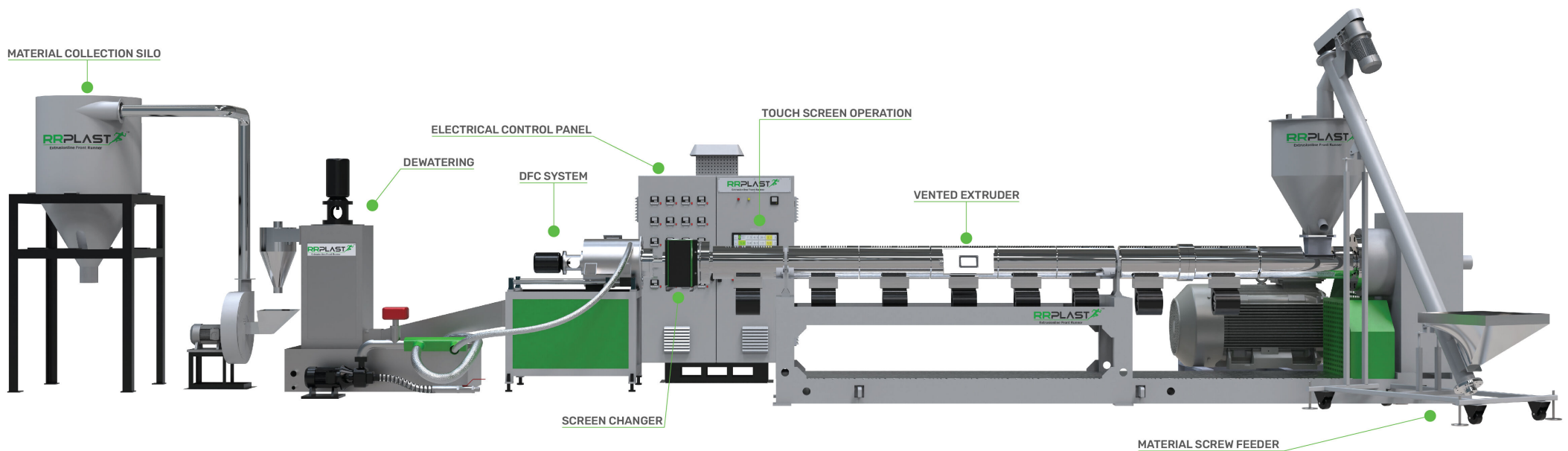
LD/HD/PP SCRAP



GRANULES



PLASTIC ARTICLE



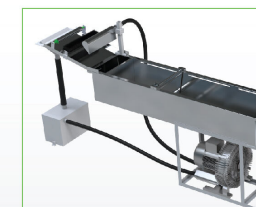
Main Technical Parameters

Model	Unit	RRRP 75/35V -G500C	RRRP 90/35V -G500C	RRRP 100/35V -G500C	RRRP 120/35V -G500C	RRRP 150/35V -G1000C	RRRP 180/35V -G1500C
Article Waste (LD,HD,PP)	Kg/h	120-140	180-200	220-240	350-375	525-550	900-1000
HIPS/ABS	Kg/h	150-160	220-240	270-300	430-450	650-675	1200-1300
Screw Dia	mm	75	90	100	120	150	180
Running Load	kW	47	60	69	103	146	218

Note: The specification are subjected to change without prior notice



STRAND PELLETIZER



COOLING TANK WITH AIR KNIFE



MATERIAL SCREW FEEDER

TWO-STAGE VENTED RECYCLING PLANT WITH DIE FACE CUTTER

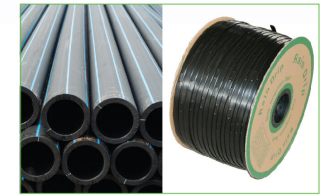
- Solid article waste recycling plant
- HDPE waste to granules for HD pipe industry
- Drip (flat/round) pipe waste to granules for Drip irrigation pipe
- Hygroscopic material like HIPS/ABS/PS/PC/PMMA/Nylon/CA etc is especially recommended
- Foam material (EPS/ROTO foam/LD-foam)
- Highly printed plastic waste
- Mixed material like bottle caps etc
- Available with strand pelletizer and DFC system
- PET bottle cap recycling



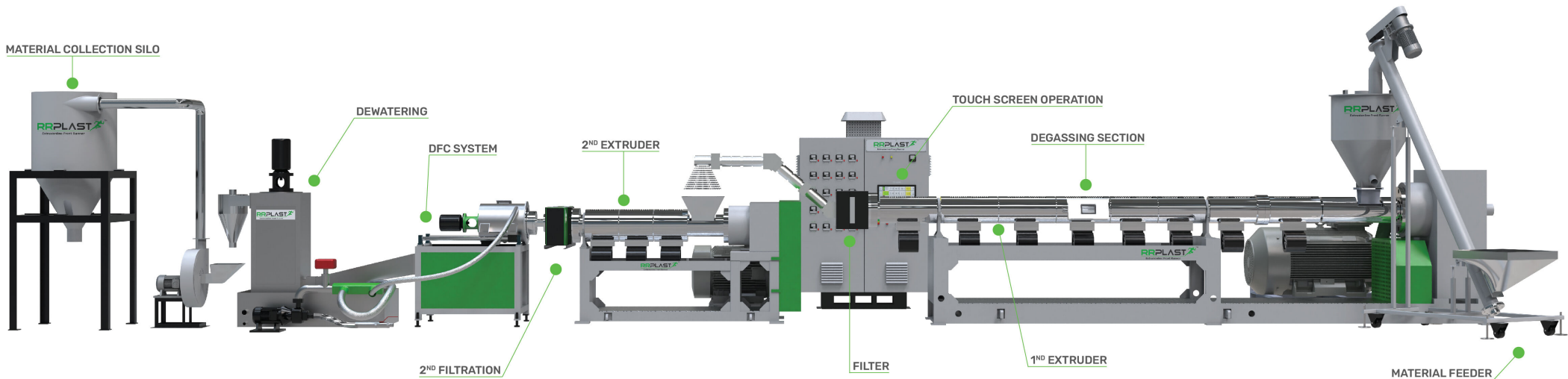
PIPE WASTE/BLOW MOULDED
BLUE DRUM SCRAP



GRANULES



HDPE / DRIP IRRIGATION
PIPE



Main Technical Parameters

Model	Unit	RRRP 75/35V -75/100-G500C	RRRP 90/35V -100/10-G500C	RRRP 100/35V -100/10-G500C	RRRP 120/35V -120/10-G500C	RRRP 150/35V -150/10-G1000C	RRRP 180/35V -180/10-G1500C
Article Waste (LD,HD,PP)	Kg/h	120-140	180-200	220-240	350-375	525-550	900-1000
HIPS/ABS	Kg/h	150-160	220-240	270-300	430-450	650-675	1200-1300
Screw Dia	mm	75	90	100	120	150	180
Running Load	kW	63	78	92	133	190	218

Note: The specification are subjected to change without prior notice



PP CAP SCRAP



GRANULES



APPLICATIONS

PET RECYCLING MACHINE WITH UNDERWATER STRAND PELLETIZER

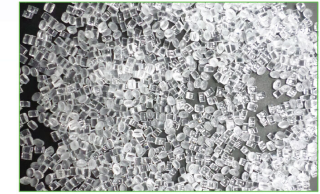
- Recommended for all types of PET/Nylon/PP fiber waste.
- Waste in the form of fiber/powder/lumps.
- Low IV drop.
- Processing with crystallizer or without crystallizer.



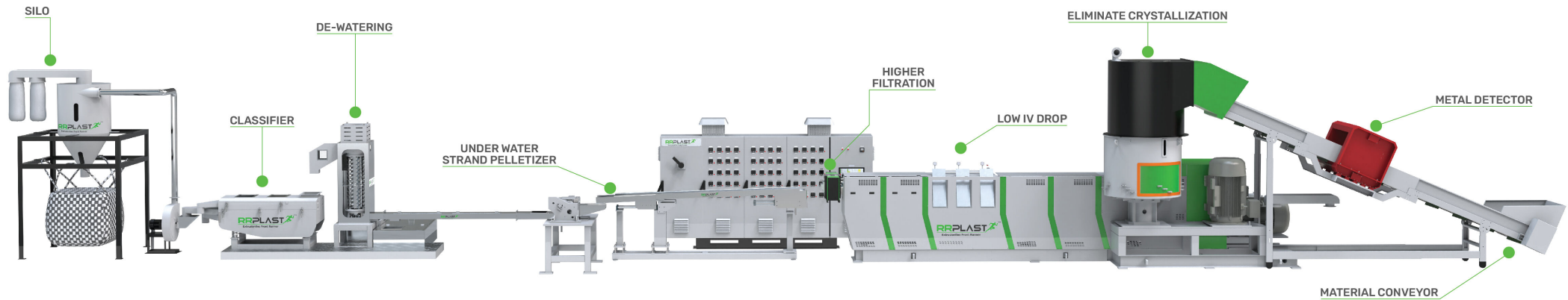
PET BOTTLE FLAKES



PET FIBER



R-PET GRANULES



Main Technical Parameters

Model	Unit	90/45V3-C80	100/45V3-C110	120/45V3-C125	120/45V3-C125
Bottle Flakes		Yes	Yes	Yes	Yes
PET Fiber		Yes	Yes	Yes	Yes
PET Powder		Yes	Yes	Yes	Yes
Output	Kg/h	300-400	450-550	700-800	900-1000
Vented Extruder		90/45V3	100/45V3	120/45V3	120/45V3
Motor	kW	55	75	132	160
Compactor	Ø-kW	800-75	1100-90	1250-132	1250-132
Screen Changer Double Piston Wrap Type	cm ²	RRUWP-1100	RRUWP-1100	RRUWP-2000	RRUWP-2000
Power	kW	180	200	300	330

Note: The specification are subjected to change without prior notice



COMPACTOR CUM
CRYSTALLIZER



UNDERWATER
STRAND PELLETIZING



CRYSTALLIZER

ROTO-PE COLORING GRANULATION PLANT WITH DIE FACE CUTTER/STRAND PELLETIZER

- Better dispersion of Carbon black/Masterbatch.
- Barrier screw design with mixing zone.
- Auto loading/Auto MB dosing/Auto granules collection.
- One-man operation.
- Consistent granule size improves pulverizing efficiency.
- Available in strand pelletizing type also.



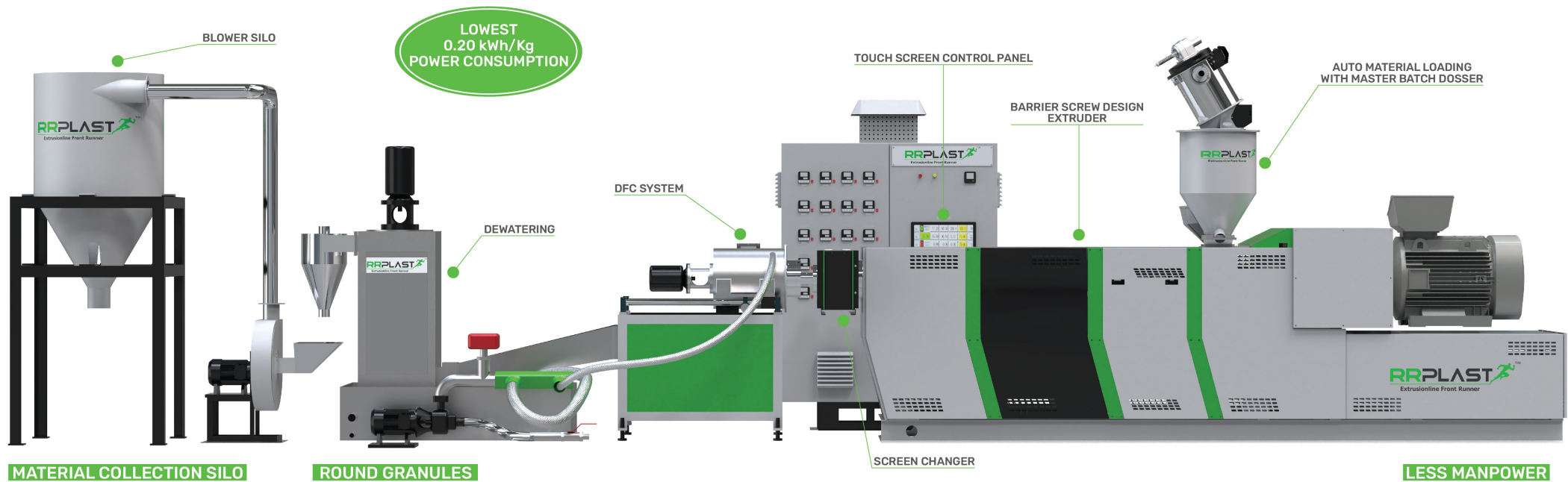
ROTO COMPOUND



TOYS/ROAD BARRIER



ROTO PRODUCT



Main Technical Parameters

Model	Unit	RRCP 45/33 -G500C	RRCP 65/33 -G500C	RRCP 75/33 -G500C	RRCP 90/33 -G1000C	RRCP 120/33 -G1000C
LLDPE 4 MFI	Kg/h	180-200	380-400	500-550	750-800	1000-1200
Screw Dia	∅	45/33	65/33	75/33	90/33	120/33
Running Load	kW	45	75	102	138	192

Note: The specification are subjected to change without prior notice



STATIC MIXER FOR HIGHER DISPERSION



STRAND PELLETIZER



AUTO LOADER WITH MB DOSSER

YOUR APPLICATION & OUR SOLUTION

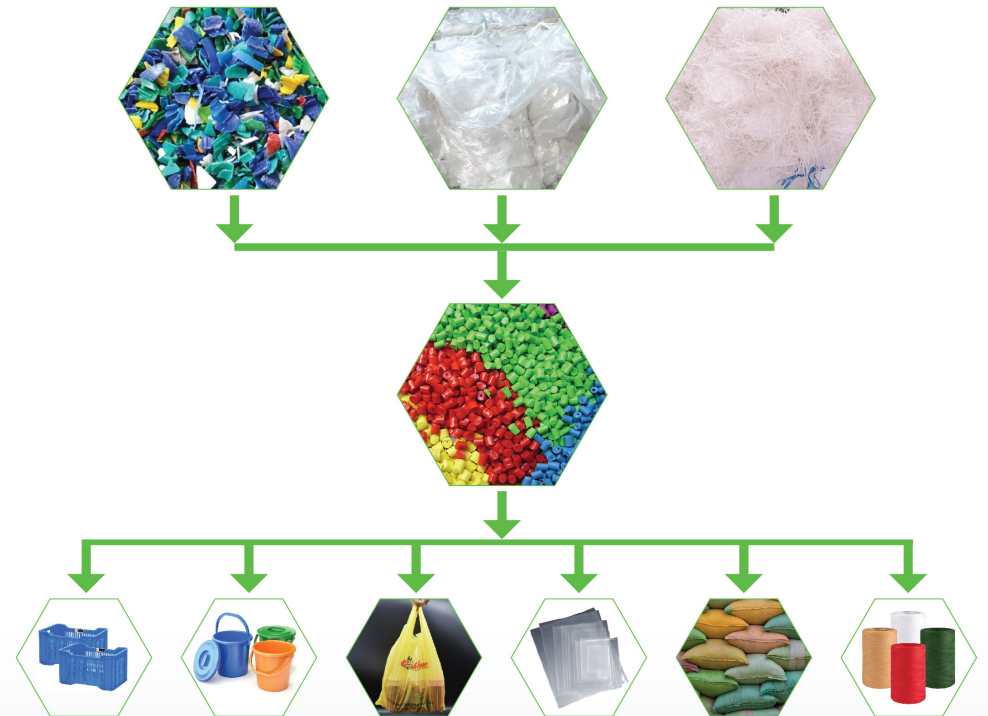
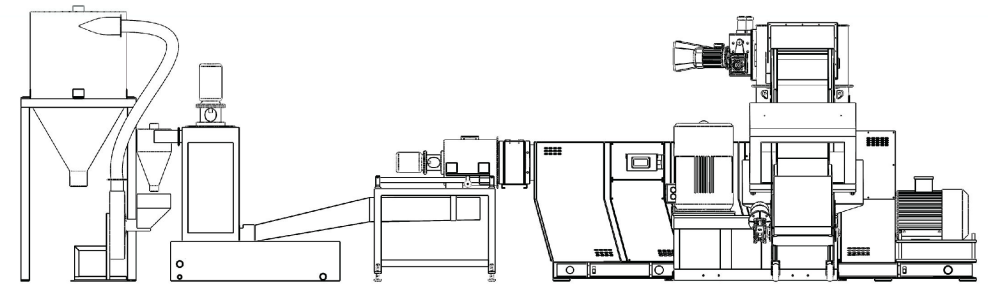
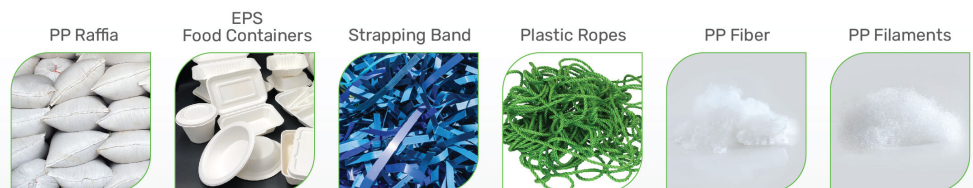
POST CONSUMER WASTE



INDUSTRIAL & IN-HOUSE WASTE



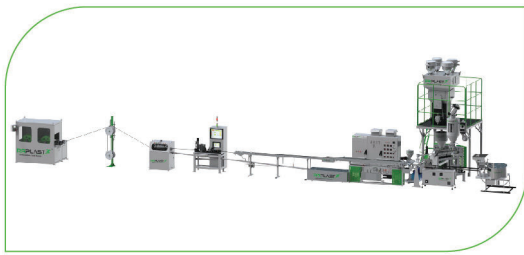
NON WOVEN, TAPE, FIBER, TEXTILE & FOAM



INDIAN AT HEART - GLOBAL IN SPIRIT



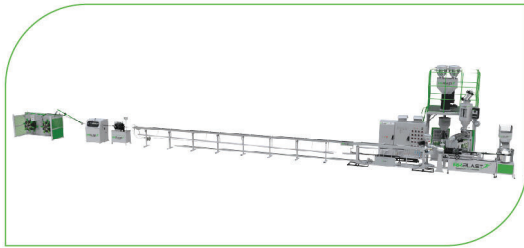
EXPORT TO MORE THAN 60 COUNTRIES



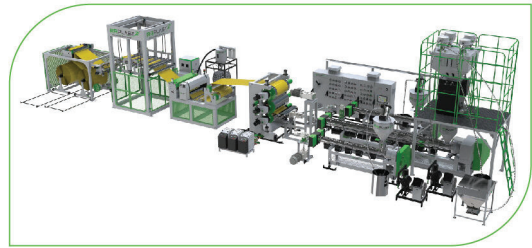
FLAT DRIP IRRIGATION PIPE PLANT



HDPE PIPE PLANT



ROUND DRIP IRRIGATION PIPE PLANT



PP, PS SHEET EXTRUSION LINE

RRPLASTTM
Extrusionline Front Runner

40
YEARS OF INNOVATION

R.R. Plast Extrusions Pvt. Ltd.

Manufacturer & Exporter of Plastic Extrusion Machinery & Equipment

Head Office: 403/404, 4th Floor, Dilkap Centre, Sakinaka, Andheri - Kurla Road, Andheri (E) Mumbai, Maharashtra, India, Pin - 400072.

Factory: Survey No. 164/4, 12/1, NH-3, Behind Hotel Pariwar Garden, Village Asangaon (W) Shahapur, Thane, Maharashtra, India, Pin - 421 601

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