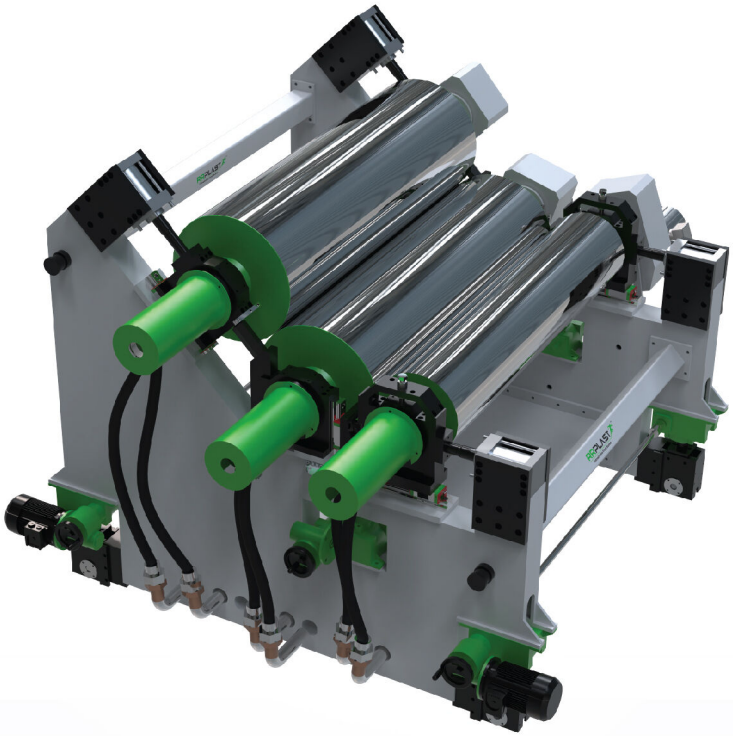
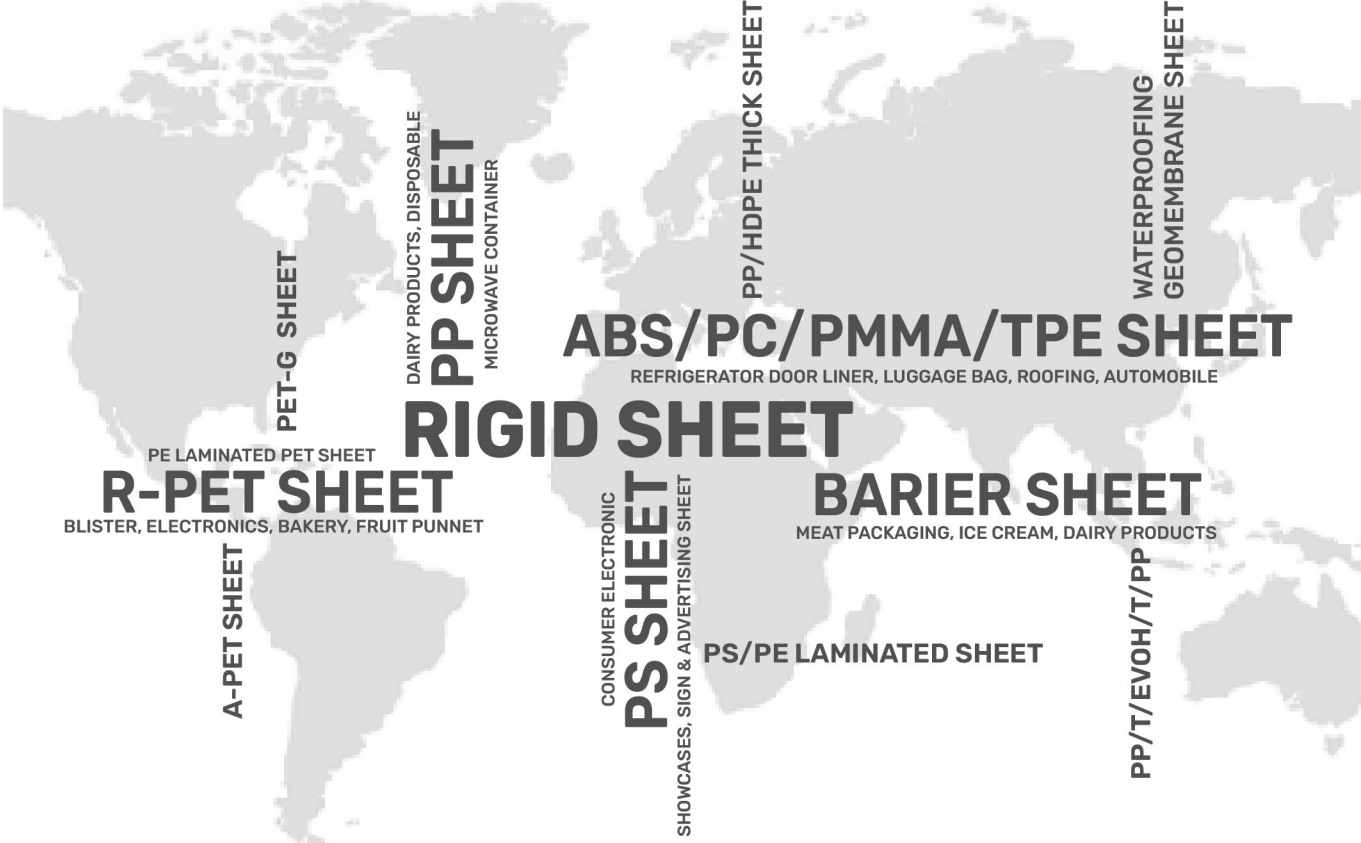


# PLASTIC SHEET EXTRUSION LINE



**RRPLAST**™

Extrusionline Front Runner





RR Plast Extrusion Pvt Ltd, from INDIA is a high-tech enterprise dedicating to the manufacture of plastic extrusion lines for sheets, pipes, granulation. The company production base is located close to Mumbai. The total area cover more than 60,000 Square meters and are capable of producing more than 200 extrusion line per year. Recline on the powerful into technology and equipment of group and innovative spirit, **RR Plast** commits to the development of high-tech products into international market. "Expertise creates customers "value" has always been company's operating philosophy.

In recent years, the company products have been not only chosen by consumers within domestic front but also selected by clients all over the world. Our customers in Spain, Turkey, Iran, Iraq, Hungary, Egypt, Brazil, Indonesia, Mexico, Argentina, Ecuador, UAE, Gulf countries, Africa market, more than 60 countries have already been enjoying the convenience value brought by **RR Plast** machines.

**RR Plast** has a mature team of entrepreneurial management, product design, and technology development. Not only covering manufacturing, commissioning, operation, after-sales service and technical training, **RR Plast** is capable of providing customers with integrated and individual consultancy, and attempts to provide all aspect of high-efficiency, high-quality service, such as feasibility study, layout design and discussing, just in order to boost the growth of its clients.

- Company vision: Innovation promotes company's progress
- Customer vision: Expertise creates customer's value
- Employees Vision: Creation realizes staff's value
- Product vision: Technology reflect products value

**RRPLAST**<sup>TM</sup>  
Extrusionline Front Runner

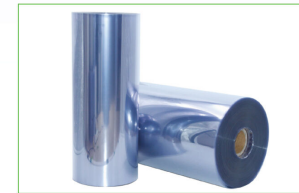
<p><b>Experienced &amp; Innovation</b> R&amp;D constant investment</p>	<p><b>Serious and well-organized</b> Family owned but ruled on managerial base</p>
<p><b>Reliable</b> Sturdy and robust concept of all the equipment</p>	<p><b>Flexibility on engineering</b> Availability of complete customized turn key</p>
<p><b>Competitive and cost-effective</b> Faster return on investment</p>	<p><b>Deep knowledge of extrusion process</b> In-house design and production since 40 years</p>
<p><b>Close to the customer need</b> Service oriented</p>	<p><b>Guaranteed plants performances</b> Selling well-tested and mature technologies</p>
<p><b>Performing at highest level</b> Best output and tolerances</p>	<p><b>Already projected to the future</b> Safe supplier for long cooperation</p>

## A-PET, R-PET SHEET EXTRUSION LINE

A-PET, PET-G, R-PET, PLA, PP, PS

### 3HVSSSE Vented Dryer Free PET Sheet Extrusion Line

RR Plast develop 3 high vacuum single screw extrusion (3VSSSE) line for PET sheet. This line equipped with 3 degassing system and no need of dehumidifier unit.



PET SHEET ROLL

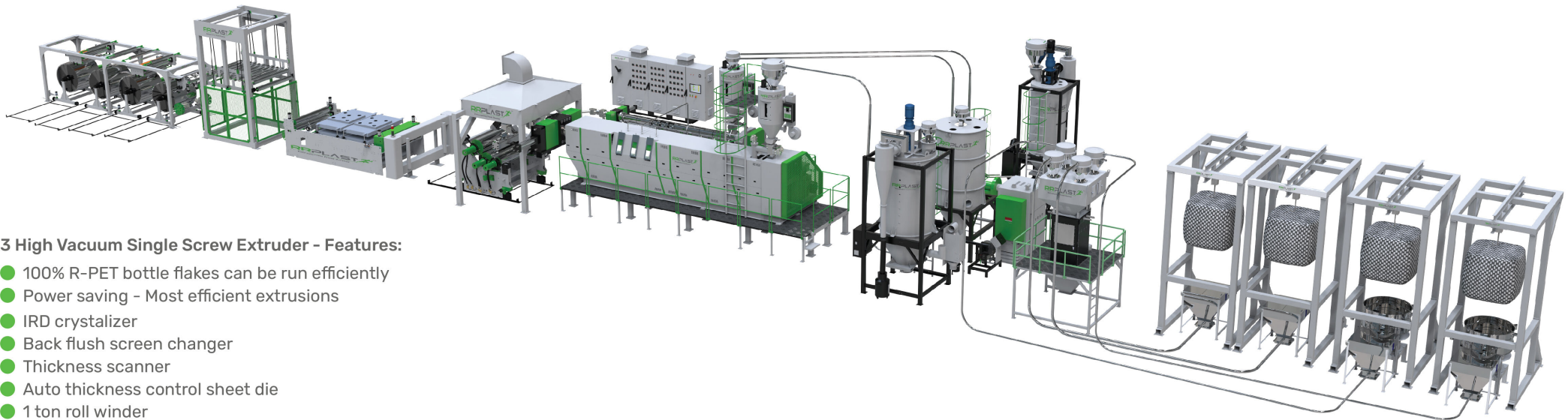


PUNNETS FOR FRUIT/VEG



ELECTRICAL PACKAGING

## HV3SSE Dryer Free PET Sheet Extrusion Technology (No Dehumidifier)



### 3 High Vacuum Single Screw Extruder - Features:

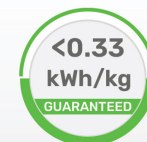
- 100% R-PET bottle flakes can be run efficiently
- Power saving - Most efficient extrusions
- IRD crystalizer
- Back flush screen changer
- Thickness scanner
- Auto thickness control sheet die
- 1 ton roll winder

### Main Technical Parameters

Model	Unit	90/45V3	100/45V3	120/45V3	120/45V3	150/45V3	160/45V3
Thickness of Sheet	mm	0.15-1.2	0.15-1.2	0.15	0.2-1.5	0.2-1.5	0.2-1.5
Co-Extruder		65/45V3	65/45V3	75/45V3	75/45V3	90/45V3	100/45V3
Main Motor Power	kW	75 & 30	90 & 30	160 & 55	250 & 55	315 & 90	400 & 90
Sheet Width	mm	800/1000	800/1200	1000/1600	1000/1600	1400/1800	1600/1800
Output 1-Layer	kg/hr	400	600	800	1000	1200	1600
Output 3-Layer	kg/hr	500	750	1000	1250	1500	2000

Note: The specification are subjected to change without prior notice

Lowest energy consumption than other competitor



ENERGY SAVING

## PLA, PBAT COMPOSTABLE SHEET EXTRUSION LINE

PLA, PBAT, PP, PS

### HVSSE Vented Sheet Extrusion Line

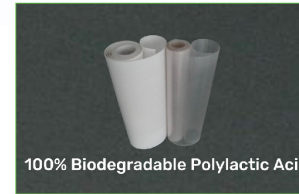
RR Plast develop high vacuum single screw extrusion (HVSSE) line for PLA/PBAT sheet. This line equipped with degassing system and no need of dehumidifier unit.

**PLA (Polylactic acid)** is a thermoplastic monomer derived from renewable, organic sources such as corn starch or sugar cane.

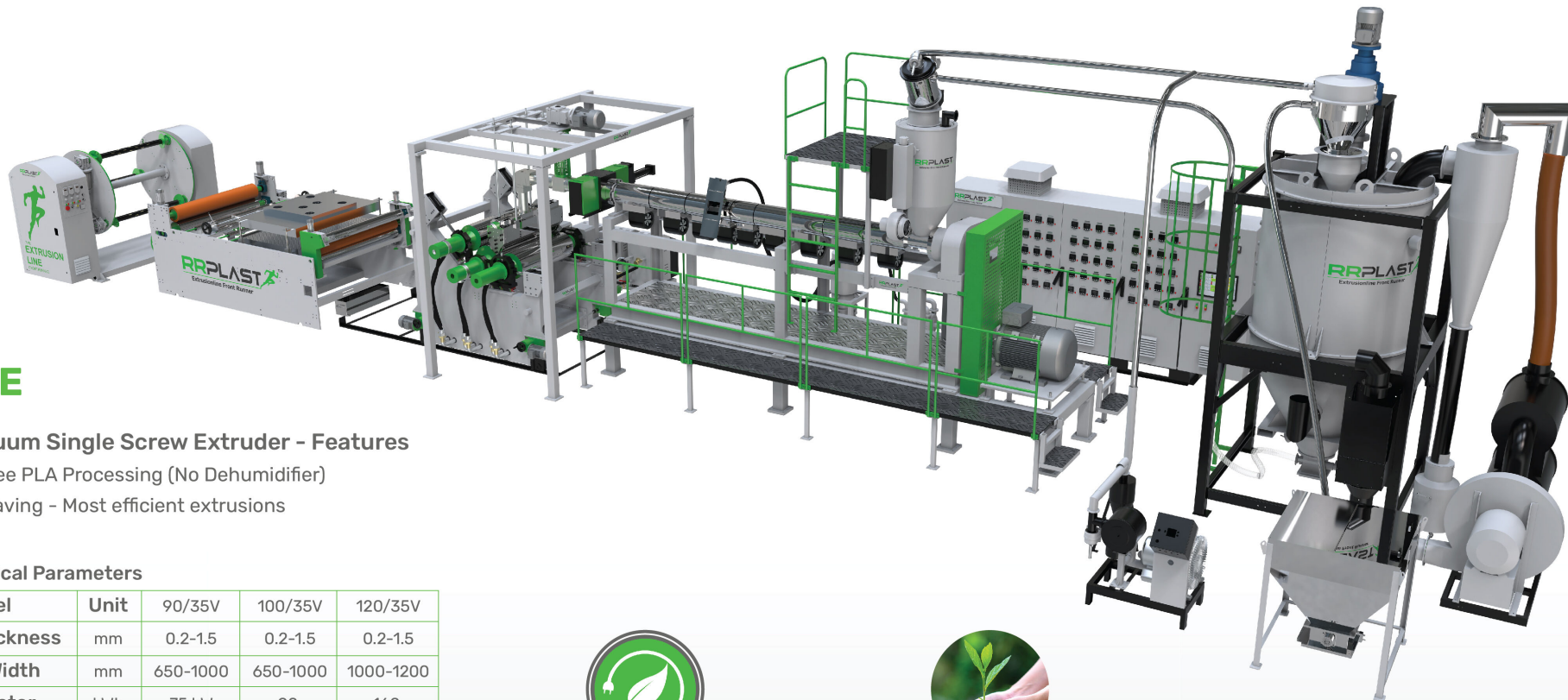
**PBAT - Poly(butylene adipate-co-terephthalate):** It is generally marketed as a fully biodegradable alternative.

Due to single use plastic got banned, the demand for compostable/bio-degradable disposable material started increasing very high.

Application: Disposable cups, plates, bowls.



- Environmentally responsible solution for plastic packaging need
- No EPR obligations/ No micron restriction while using these materials
- Easily recyclable & made with recycle
- Looks & feels like conventional plastic



## HVSSE

### High Vacuum Single Screw Extruder - Features

- Dryer Free PLA Processing (No Dehumidifier)
- Power saving - Most efficient extrusions

### Main Technical Parameters

Model	Unit	90/35V	100/35V	120/35V
Sheet Thickness	mm	0.2-1.5	0.2-1.5	0.2-1.5
Sheet Width	mm	650-1000	650-1000	1000-1200
Main Motor	kWh	75 kW	90	160
Output	mm	200	300	500

Note: The specification are subjected to change without prior notice



ENERGY SAVING



SAVE THE NATURE

## PP, PS SHEET EXTRUSION LINE

The manufacturing of sheet extrusion lines for PP and PS remains one of the main activities of RR Plast. We can provide a wide range of sheet lines, for example:

- Smaller sized extrusion equipment, with the possibility of "in-line" thermoforming activities
- Higher output extrusion sheet lines for off-line production



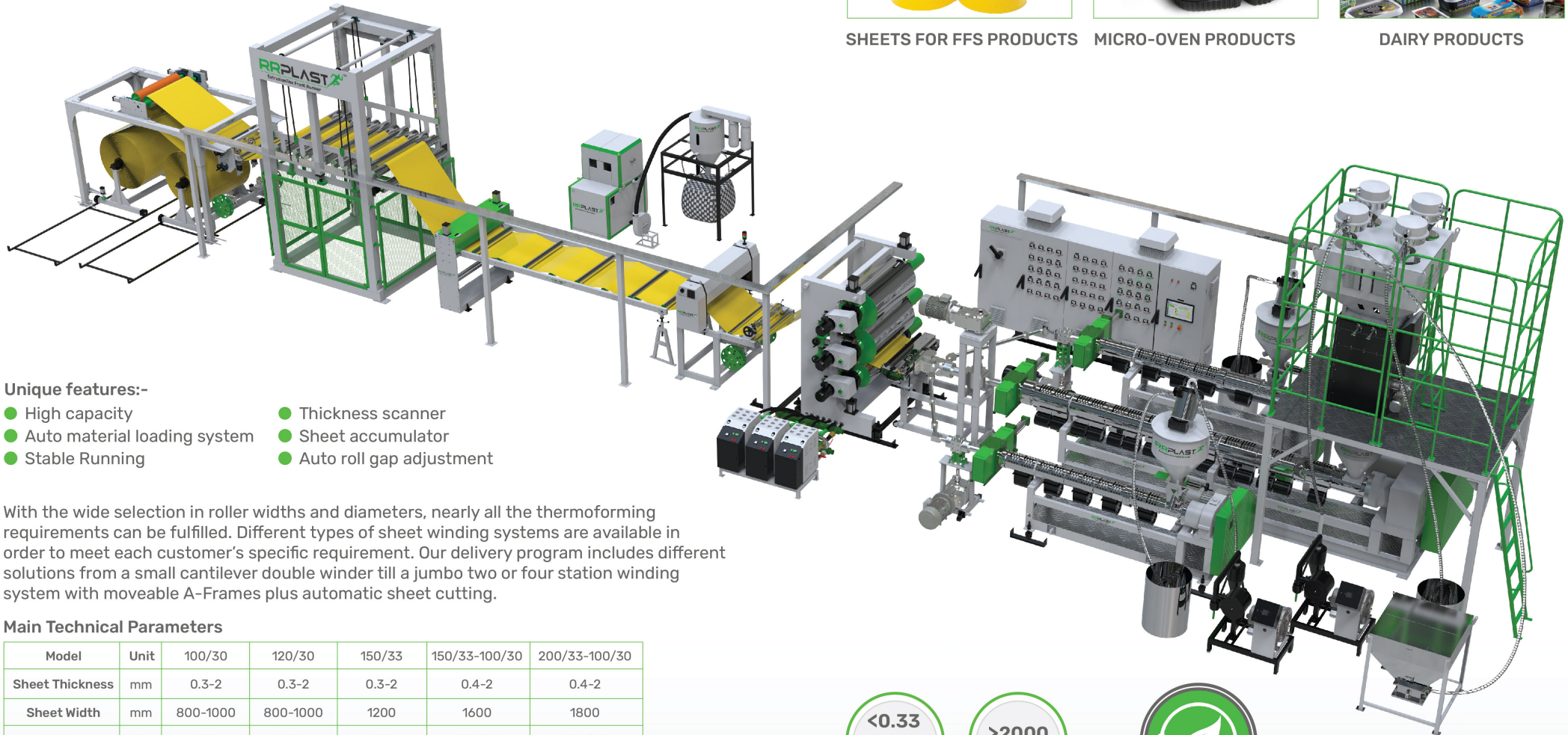
SHEETS FOR FFS PRODUCTS



MICRO-OVEN PRODUCTS



DAIRY PRODUCTS



### Unique features:-

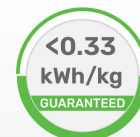
- High capacity
- Auto material loading system
- Stable Running
- Thickness scanner
- Sheet accumulator
- Auto roll gap adjustment

With the wide selection in roller widths and diameters, nearly all the thermoforming requirements can be fulfilled. Different types of sheet winding systems are available in order to meet each customer's specific requirement. Our delivery program includes different solutions from a small cantilever double winder till a jumbo two or four station winding system with moveable A-Frames plus automatic sheet cutting.

### Main Technical Parameters

Model	Unit	100/30	120/30	150/33	150/33-100/30	200/33-100/30
Sheet Thickness	mm	0.3-2	0.3-2	0.3-2	0.4-2	0.4-2
Sheet Width	mm	800-1000	800-1000	1200	1600	1800
Motor	Kw	90	160	200	200/90	400/90
Output	kg/hr	300-400	600-800	800-1000	1200 - 1400	1800-2000
Roll Dia	cm	Ø 40   40   40	Ø 40   50   50	Ø 40   60   60	Ø 50   70   70	Ø 50   70   70

Note: The specification are subjected to change without prior notice



ENERGY SAVING

## PP, PS ECO-EFFICIENT SHEET EXTRUSION LINE

RR Plast developed Eco-efficient single screw extrusion line to save Power, Space, Less residential time.

Unique features: -

- 50% Power saving than standard extruder
  - 50% Space saving
  - 50% Material residential time in extruder
- Sheet Extrusion output from 300-1000 kg/hr for PP, PS based on raw material of a uniform mix with minimum bulk density of 0.5 kg/liter



### ECO-EFFICIENT EXTRUDER

PP Sheet - 0.2 kWh/kg

PS Sheet - 0.18 kWh/kg

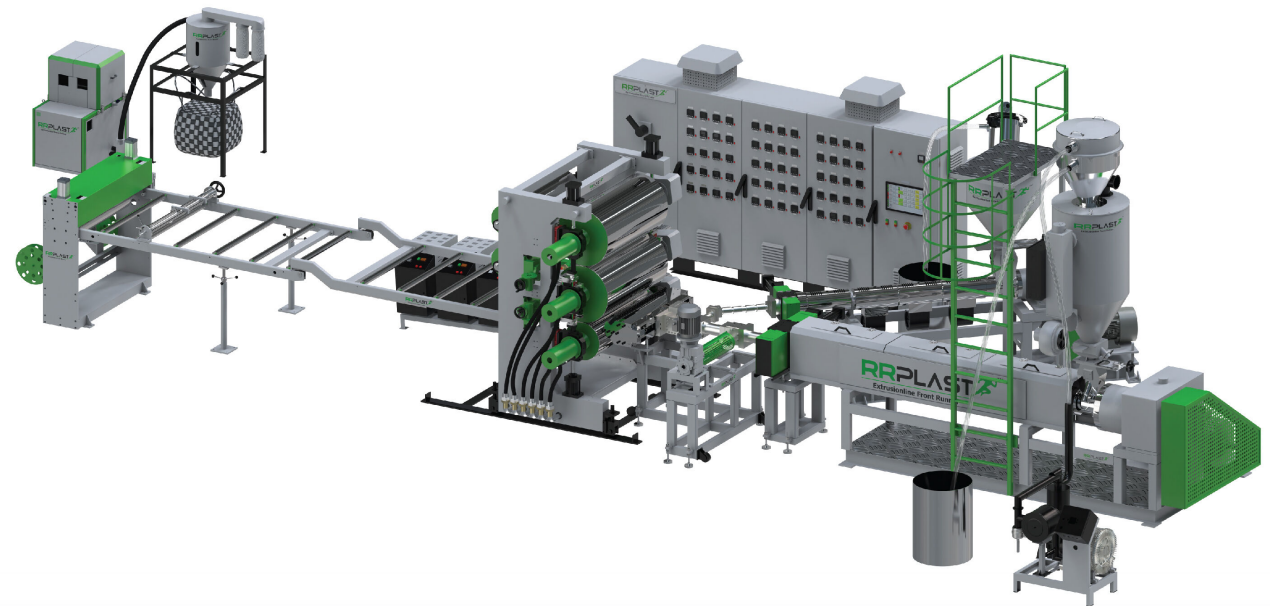
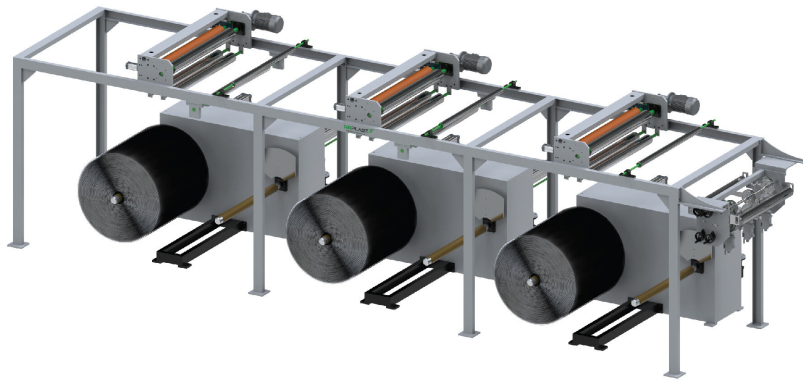
VS

### CONVENTIONAL EXTRUDER

PP Sheet - 0.33 kWh/kg

0.26 Standard Extruder

## Energy Saving



## "SMALL FOOTPRINT - BIG OUTPUT"

### Main Technical Parameters

Model	Unit	65/33-1000	75/33-1000	90/33-1000
Thickness	mm	0.3-2	0.3-2	0.3-2
Sheet Width	cm	70-90	70-90	70-90
Main Motor	kWh	75	110	160
Output (PP)	kg/hr	300-400	500-600	700-800
Output (HIPS)	kg/hr	400-500	600-700	900-1000

Note: The specification are subjected to change without prior notice



ENERGY SAVING



EFFICIENT



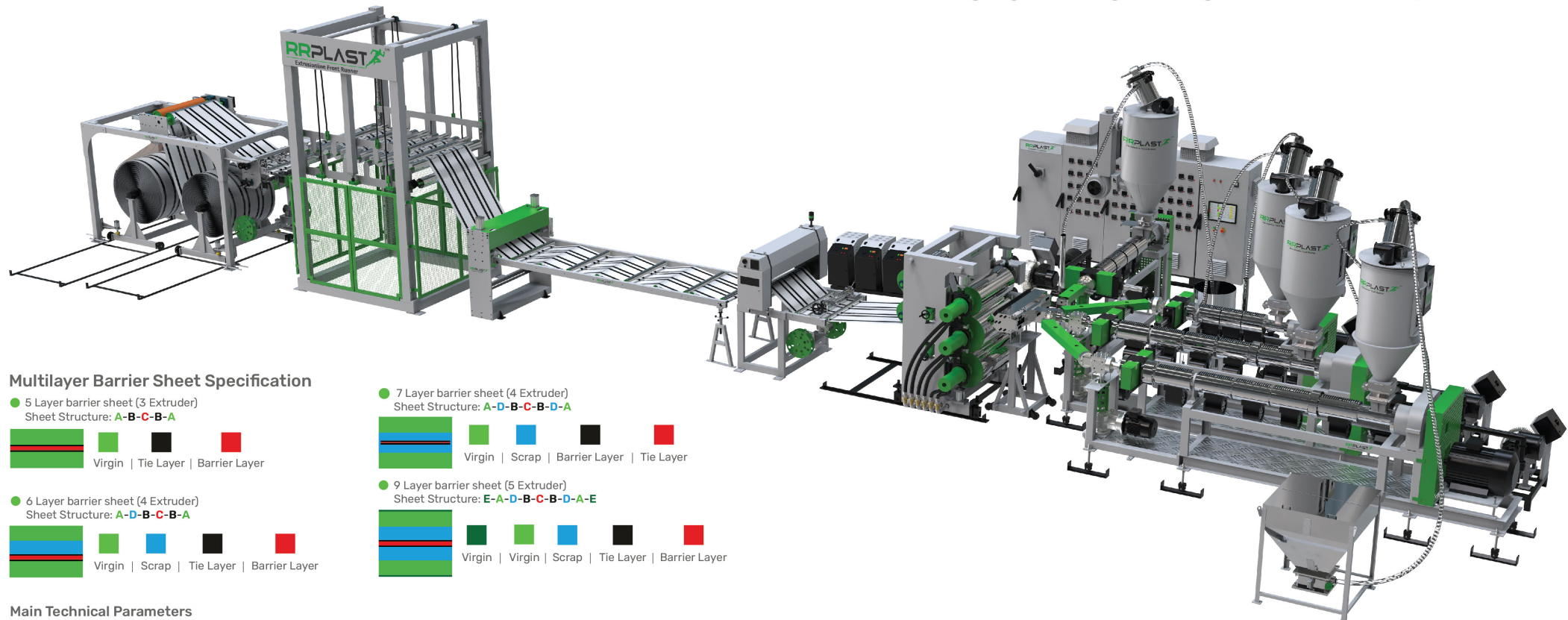
ECONOMICAL

# PP, EVOH MULTI-LAYER BARRIER SHEET EXTRUSION LINE

RR Plast develop advance technology for PP/EVOH multi-layer (5/7 layer) Barrier sheet line with symmetrical or asymmetrical distribution which make sheet having better barrier properties, excellent anti-oxygen & anti humidity. High sealing properties. Mainly used for Meat packaging, Dairy packaging, Jelly packaging, Snack foods, Medicines packaging, Cosmetic packaging.



Packaging which gives high SHELF LIFE to products

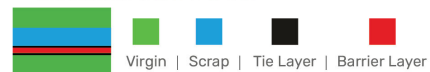


## Multilayer Barrier Sheet Specification

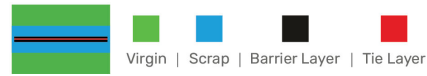
- 5 Layer barrier sheet (3 Extruder)  
Sheet Structure: **A-B-C-B-A**



- 6 Layer barrier sheet (4 Extruder)  
Sheet Structure: **A-D-B-C-B-A**



- 7 Layer barrier sheet (4 Extruder)  
Sheet Structure: **A-D-B-C-B-D-A**



- 9 Layer barrier sheet (5 Extruder)  
Sheet Structure: **E-A-D-B-C-B-D-A-E**



## Main Technical Parameters

Model	Unit	RRSL - 120/65/50/5L	RRSL - 90/90/65/50/5L	RRSL-150/75/50/5L	RRSL - 120/120/75/50
Thickness of Sheet	mm	0.5-2	0.5-2	0.5-2	0.5-2
Sheet Width	mm	A-B-C-B-A   5 Layer	A-D-B-C-B-A   6 Layer	A-D-B-C-B-D-A   7 Layer	E-A-D-B-C-B-D-A-E   9 Layer
Material		PP-Tie-EVOH	VPP-RPP-EVOH-Tie	PP-Tie-EVOH	VPP-RPP-EVOH-Tie
Output	kg/hr	500	500	1000	1000

Note: The specification are subjected to change without prior notice

## Features: -

- Special thickness scanner to show overall thickness with EVOH layer
- Special design feed block & sheet die
- High accuracy calendar unit
- Fully PLC control operation

## ABS, HIPS, PMMA REFRIGERATOR, SANITARY AUTOMOBILE SHEET EXTRUSION LINE

### ABS, HIPS/PS Sheet for refrigerator

It is widely used for Refrigerator door inner body, Drawer wall dispensers

### ABS/PMMA Sheet for sanitary applications

It is widely used for Bathtub, Shower cabinets, Steam room, Washing bowl etc

### ABS/PC Automobile sheet

It is mainly use to produce top of Car & Buses, Instrumental sheet, Back seat car door, Windows frames, Shell of the motorcycles, Golf cart body, Vehicles etc

### ABS/PC luggage sheet

It is mainly use to make rigid luggage case. ABS/ABS or PC/ABS or PC/PC combination



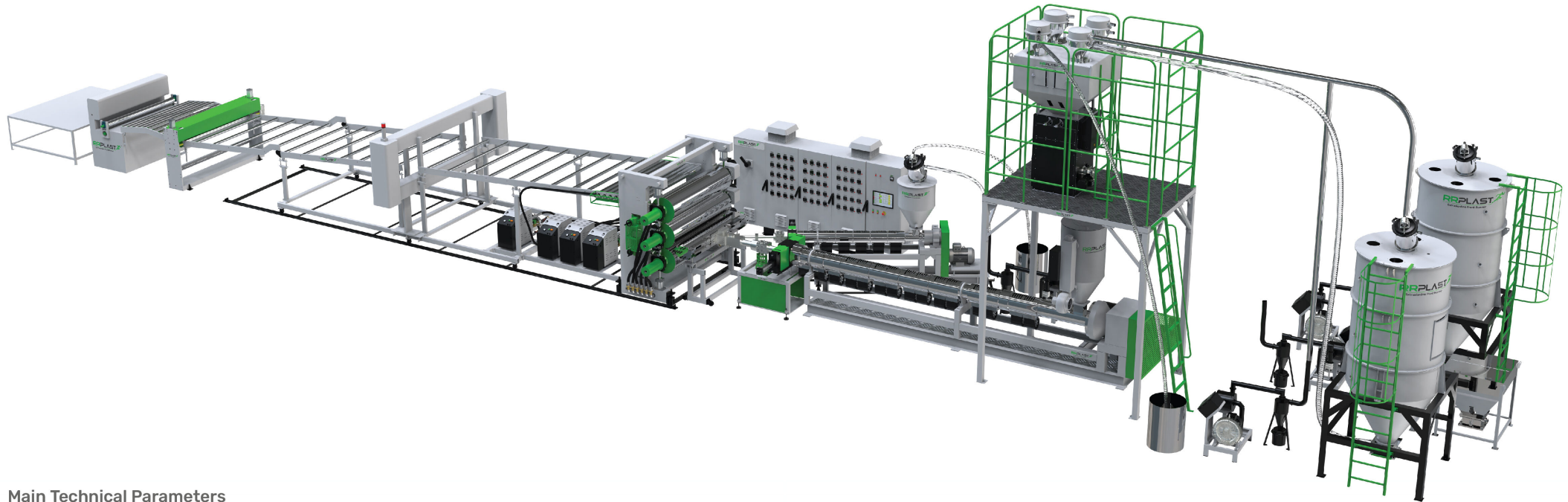
APPLIANCES & SANITARY INDUSTRY



AUTOMOBILE INDUSTRY



LUGGAGE INDUSTRY



### Main Technical Parameters

Model	Unit	RRSL-100/50	RRSL-120/65/50	RRSL-150/65	RRSL-160/65
Layer		AB/ABA	ABCB - 4 Layer	AB/ABA	AB/ABA
Sheet Width	mm	800-1250	1250-1500	2000	2400
Sheet Thickness	mm	1-6	1-6	1-6	1-6
Capacity	kg/hr	450	600	800	1200

Note: The specification are subjected to change without prior notice

### Features: -

- Vented extrusion technology
- Multiple material handling with same screw
- Film lamination possible
- Surface protection masking possible

## PP, PE, ABS, PVC, TPE THICK SHEET/BOARD EXTRUSION LINE

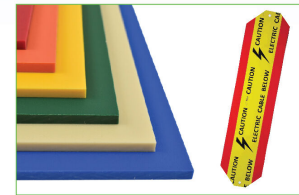
**PP** - PP Thick sheet is widely used in chemical industries, food industries, anti-erosion industries, environmentally friendly equipment industry.

**PE** - PE thick sheet is widely used in home appliances, electronic packaging, medical, automobile appliances.

**ABS** - ABS Thick sheet is widely used in home appliances, electronic packaging, medical application.

**PVC** - Rigid PVC thick sheet is widely used in chemical industry, petrol electroplating, water purifying equipment, lamp house and advertising industries.

**TPE** - Car Anti-skid foot mat



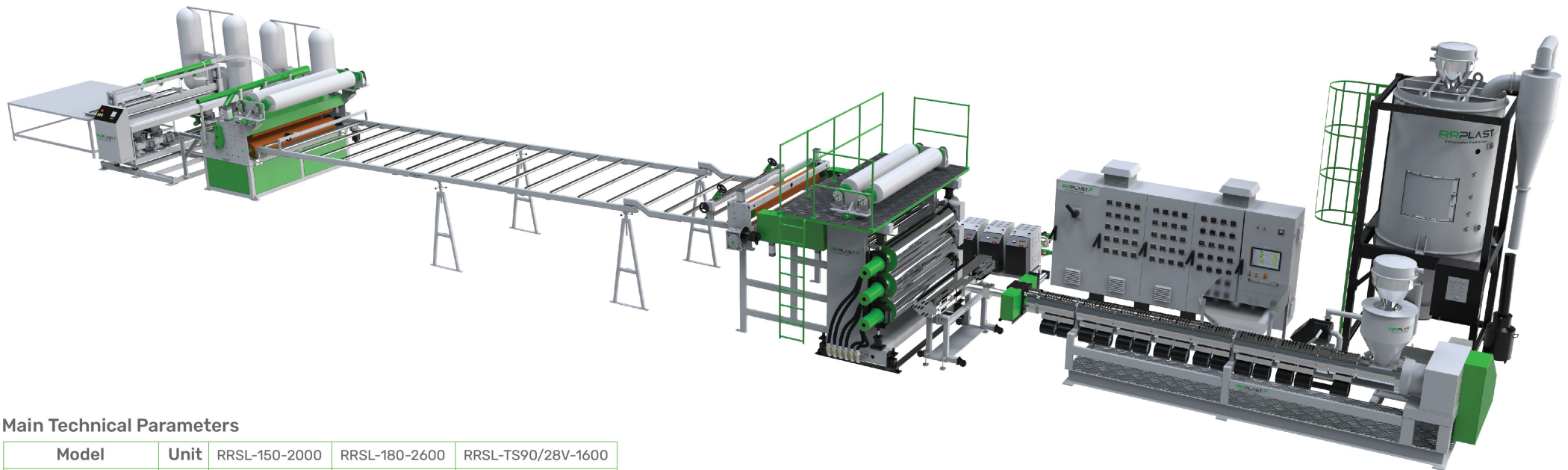
SHEET IN CUT LENGTH



CHEMICAL TANK OR LINER



AUTOMOBILE FOOT MATT



### Main Technical Parameters

Model	Unit	RRSL-150-2000	RRSL-180-2600	RRSL-TS90/28V-1600
Material		PP, PE, ABS	PP, PE, ABS	RPVC
Sheet Width	mm	1250-1800	1500-2400	1220
Sheet Thickness	mm	3-30	3-30	3-30
Extruder		150/35	180/35	TS 90/28V
Output	kg/hr	500	800	400

Note: The specification are subjected to change without prior notice

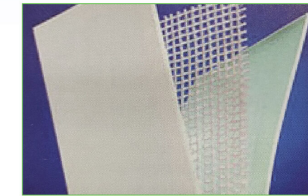
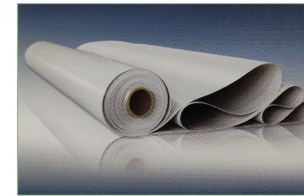
### Features: -

- Vented/Non vented extruder
- Cloth/Glass wool/Film lamination
- Gelatin/Saw Cutter
- Water/Oil roll temperature control unit
- PLC based operation control

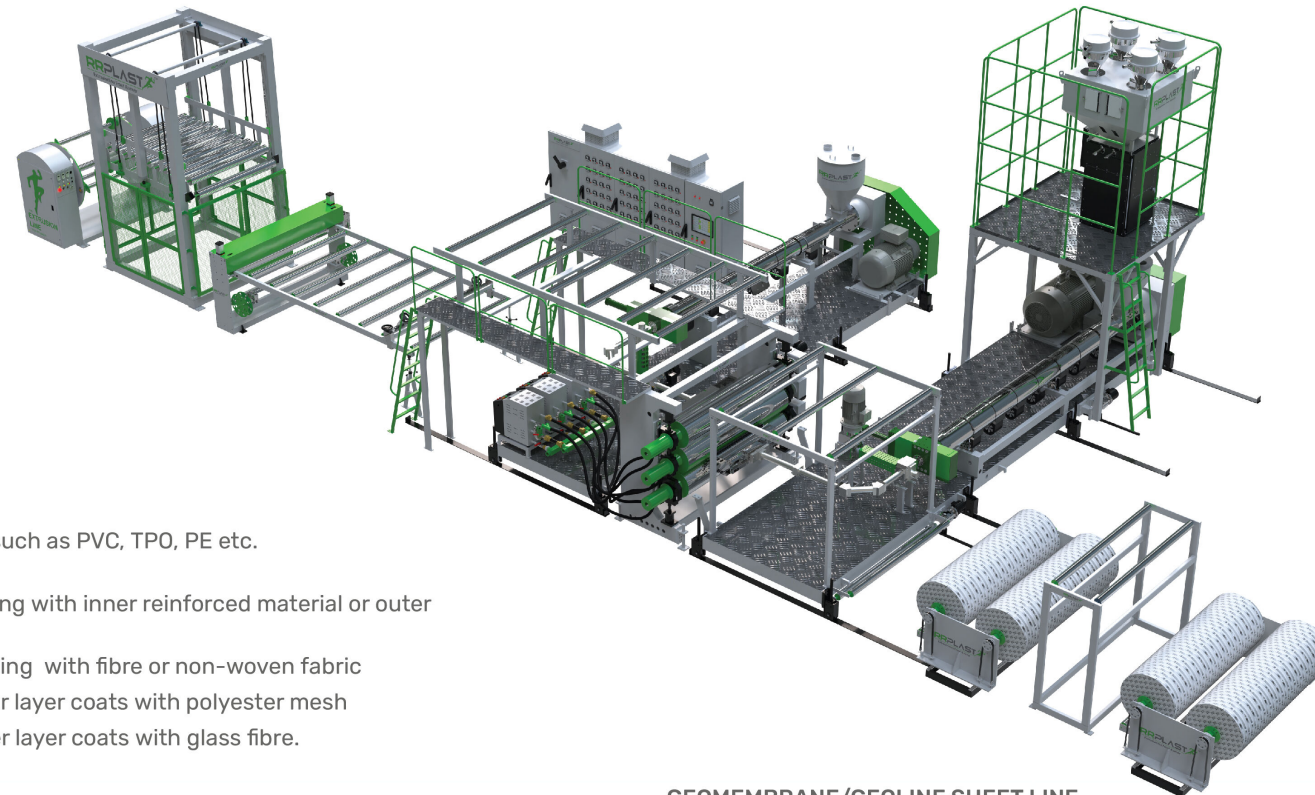
## PE, TPO, S-PVC GEOMEMBRANE, WATER PROOFING SHEET EXTRUSION LINE

The line is equipped with 2 flat Die heads.

- The mechanical resistance to elongation, tear, punching
- High resistance to light, ozone, chemical agent, fire
- 100% water proof



The application range is extremely wide: foundations, tunnels, subways, swimming pools



Used for different kinds of plastic material, such as PVC, TPO, PE etc.  
Being able to produce below sheets:

- Plastic roll sheet (Model:H): Without coating with inner reinforced material or outer material
- Roll sheet with outer fibre (Model:L): Coating with fibre or non-woven fabric
- Inner reinforced roll sheet (Model:P): Inner layer coats with polyester mesh
- Inner reinforced roll sheet (Model:G): Inner layer coats with glass fibre.

### WATER PROOFING SHEET LINE

Material	Unit	TPO, PVC, Polyester Scrim, Glass Fiber & Mineral filters
Sheet Thickness	mm	0.5 to 3
Sheet Width	mm	up to 2200
Output	kg/hr	up to 1000

Note: The specification are subjected to change without prior notice

### GEOMEMBRANE/GEOLINE SHEET LINE

Material	Unit	Polyolefin resin
Sheet Thickness	mm	0.8 to 2
Sheet Width	mm	up to 2000
Sheet Structure		Single layer or co-extruded
Output	kg/hr	up to 2000

## PE GEOCELL SHEET EXTRUSION LINE

PP, PE

Geocell is a kind of geo-product with alveolate and three-dimensional structure which processed the thermoplastic sheet by the ultrasonic welding machine and other methods. Its special three-dimensional structure makes it possible to form the different viscous force, different reinforcing bar intensity and different thickness of cushion. It is widely used in the fields of the reinforcing of railway, strengthening roadbed, protect of field bank, building of earth protection wall, and so on.

Features: -

- Auto sheet slitting
- Auto punching
- Ultrasonic welding
- Structure sheet as per application



**STRUCTURAL REINFORCEMENT FOR LOAD SUPPORT**



**SOIL STABILIZATION AND EARTH RETENTION**

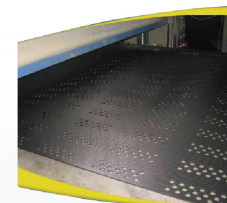


**SLOPE EROSION CONTROL & SOIL RETENTION**

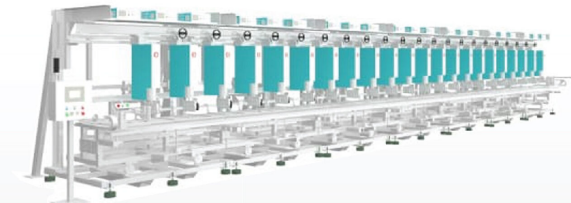
### Main Technical Parameters

Model	Unit	RRSL-120/1000	RRSL-120/1400
Material		PP/PE	PP/PE
Sheet thickness	mm	1.1, 1.2, 1.5, 1.8	1.1, 1.2, 1.5, 1.8
Height of Geocell	mm	50, 75, 100, 150, 200	50, 75, 100, 150, 200, 300
Welding distance	mm	340-800	340-800
Unfolding area	m <sup>2</sup>	4 X 5	4 X 5
Dimensions	m	28 X 5 X 3	30 X 8 X 3

Note: The specification are subjected to change without prior notice



**AUTO PUNCHING UNIT**



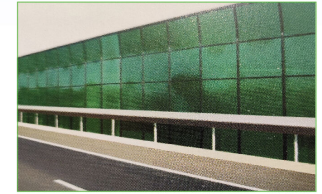
**GEOCELL ULTRASONIC SHEET WELDING MACHINE**

## PC, PMMA, GPPS, PET-G SHEET EXTRUSION LINE

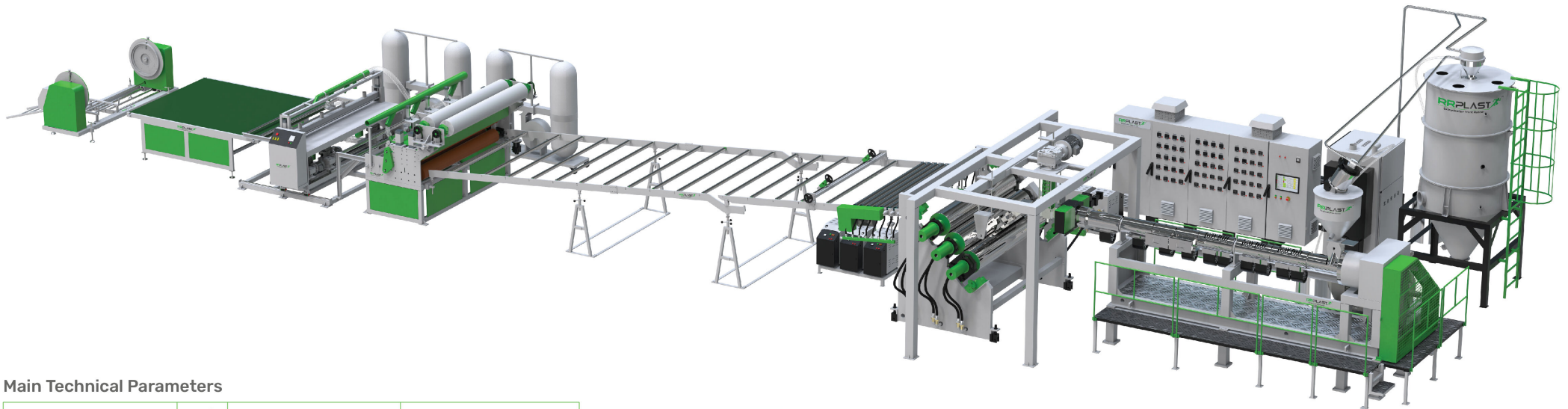
### PC, PMMA, GPPS, PET-G

**Applicable scope of PC Sheets:** Garden, recreation place, decoration and the corridor pavilion; Internal and external ornaments in the commercial building, curtain wall of the modern urban building; transparent container of the aviation, the windscreen before the motorcycle, the plane, the train, the steamer, the submarine, army and police's shield, the telephone booth, advertising signpost, the advertisement of the lamp houses, the expressway and overhead way of the city partition protective screen.

**PMMA Sheet (Acrylic/GPPS):** Application of product: common PMMA sheet is mainly used in the field of advertisement, decoration, art ware, escutcheon and specimen etc; the electroplated is used for plastic mirror; Light panel is used for ultra-light box, flat panel display lamp of LED, poster stand and advertising decoration etc. LCD panel can be used for the display of computer and television. RR Plast's sheet extrusion line is suitable for producing the PMMA or PC diffusion sheet.



**PET-G Sheet (Polyethylene Terephthalate Glycol):** PET-G thick sheets is made from special modified PET material (Glycol), due to its lower cost when compared with PC, it can gradually substitute PC sheet in many field. It can be used in construction, decoration and advertisement etc.



#### Main Technical Parameters

Model	Unit	RRSL-130/38V-2400	RRSL-120/38V-1400
Material		PC, PMMA, GPPS/PET-G	PC, PMMA, GPPS/PET-G
Sheet Width	mm	1800/2000	1220 mm
Sheet Thickness	mm	1.5-10	1.5-10
Extruder Specification		130/38; 45/30	120/38
Capacity (Max.)	kg/hr	550	450

Note: The specification are subjected to change without prior notice

- PC: Poly Carbonate
- PMMA: Poly Methyl Methacrylate
- GPPS: General Purpose Polystyrene
- PET-G: Polyethylene Terephthalate Glycol

## PP STATIONERY, DECORATIVE SHEET EXTRUSION LINE

PP, EVA, PP CLOTHES, PE

To meet market high demand. RR Plast developed advance technology of PP thin sheet line suitable for 0.1 to 1.5mm thickness. The line is equipped with air knife for thinner sheets from 0.1 to 0.20 and for thick sheet 0.20 to 1.5mm with roll touch technology.

PP single layer co-extrusion, two-layer double side transparent, dull polish sheet (course & fine) two colour sheet, 3D textured sheets used in stationery and decorative industry.

### Features:

- Special design horizontal calendar unit
- Lower thick production up to 0.20 mm with x-axis
- Up to 100 microns with air knife technology
- Embossed/design roll provided
- Corona treater for printing sheet application
- Shear cutter for accurate cut length/Winder also available



STATIONERY FILES



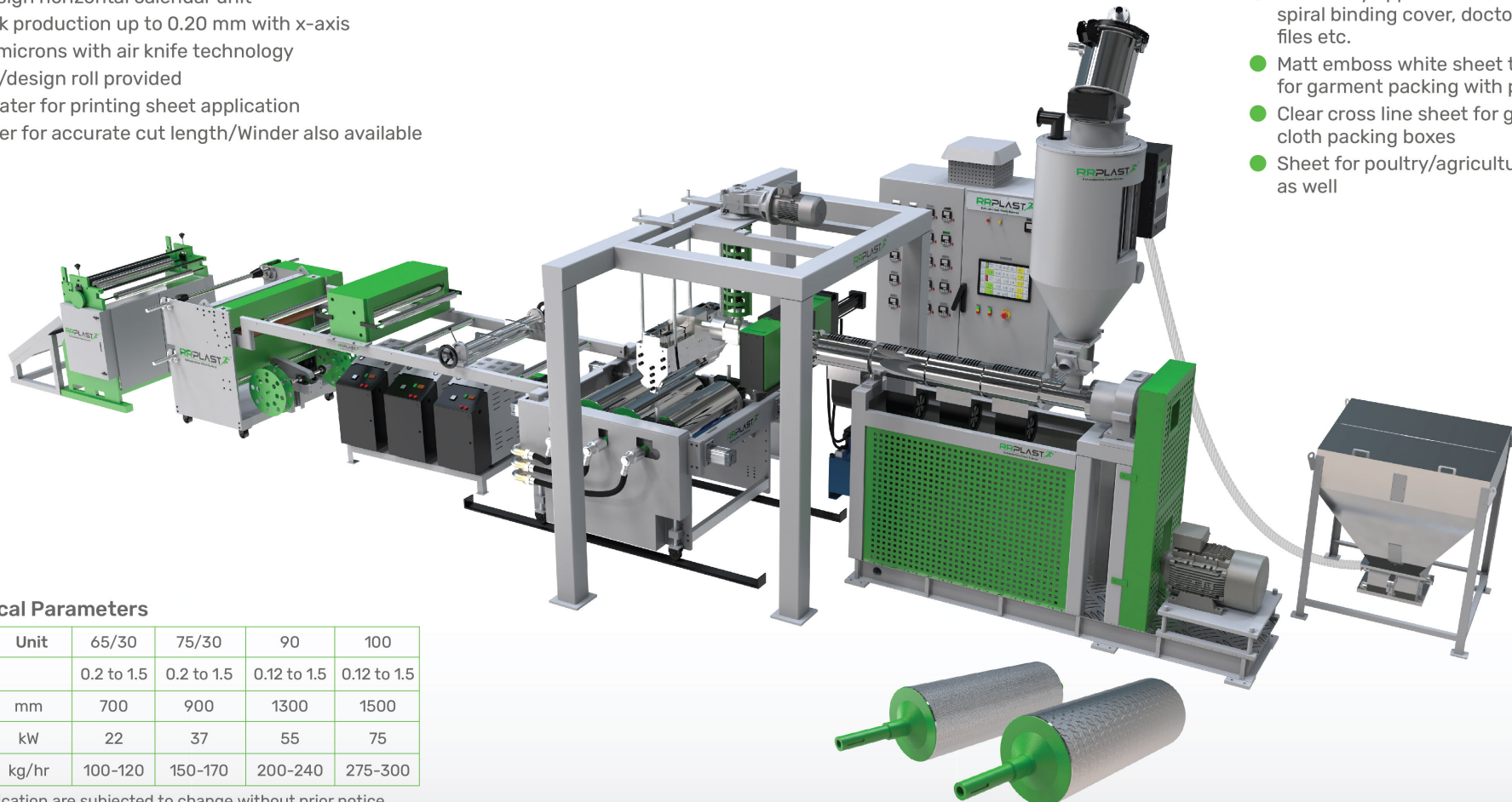
PP BOXES



DECORATIVE SHEET

### Application:

- Stationery application sheet like file cover, spiral binding cover, doctor files, envelope files etc.
- Matt emboss white sheet to make boxes for garment packing with printed on top
- Clear cross line sheet for gift packing, cloth packing boxes
- Sheet for poultry/agriculture application as well



### Main Technical Parameters

Model	Unit	65/30	75/30	90	100
Material		0.2 to 1.5	0.2 to 1.5	0.12 to 1.5	0.12 to 1.5
Sheet Width	mm	700	900	1300	1500
Main Motor	kW	22	37	55	75
Output	kg/hr	100-120	150-170	200-240	275-300

Note: The specification are subjected to change without prior notice

**A TRUSTED NAME FROM INDIA**  
for all your sheet line needs

**AUTOMOBILE SHEET**

**LEADER IN EXTRUSION LINE FOR MORE THAN 4 DECADES**

**JOURNEY BEGINS IN 1981**

**INDUSTRIAL SHEET**

**DECORATIVE SHEET**

**THERMOFORMING SHEET**

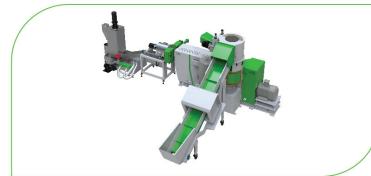
Benchmark Extrusion Lines from INDIA

**Growing Global Company**  
"At the core of your business"

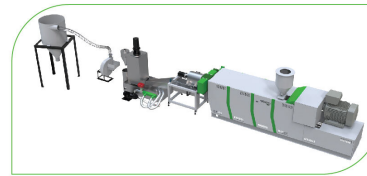


Unseen Performance, Visible Success

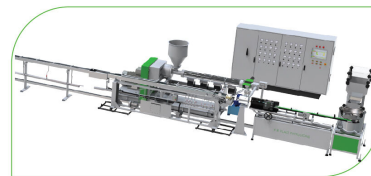
# INDIAN AT HEART - GLOBAL IN SPIRIT



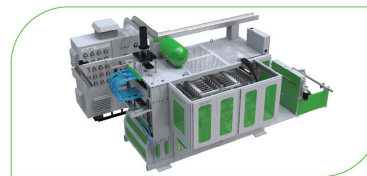
PLASTIC RECYCLING PLANT



ROTO COMPOUNDING PLANT



DRIP IRRIGATION PIPE PLANT



THERMOFORMING MACHINE



## 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.

 +91 22 28568282/289

 [info@rrplast.com](mailto:info@rrplast.com)

 [www.rrplast.com](http://www.rrplast.com)

