

## COMPLETE SOLUTION FOR THERMOFORMING & SHEET EXTRUSION LINES



## ONE STOP SOLUTION FOR THERMOFORMING / VACCUMFORMING INDUSTRY

EXCEL WITH THE POWER OF **E3** EXTRUSION



ENERGY  
SAVING



EFFICIENT

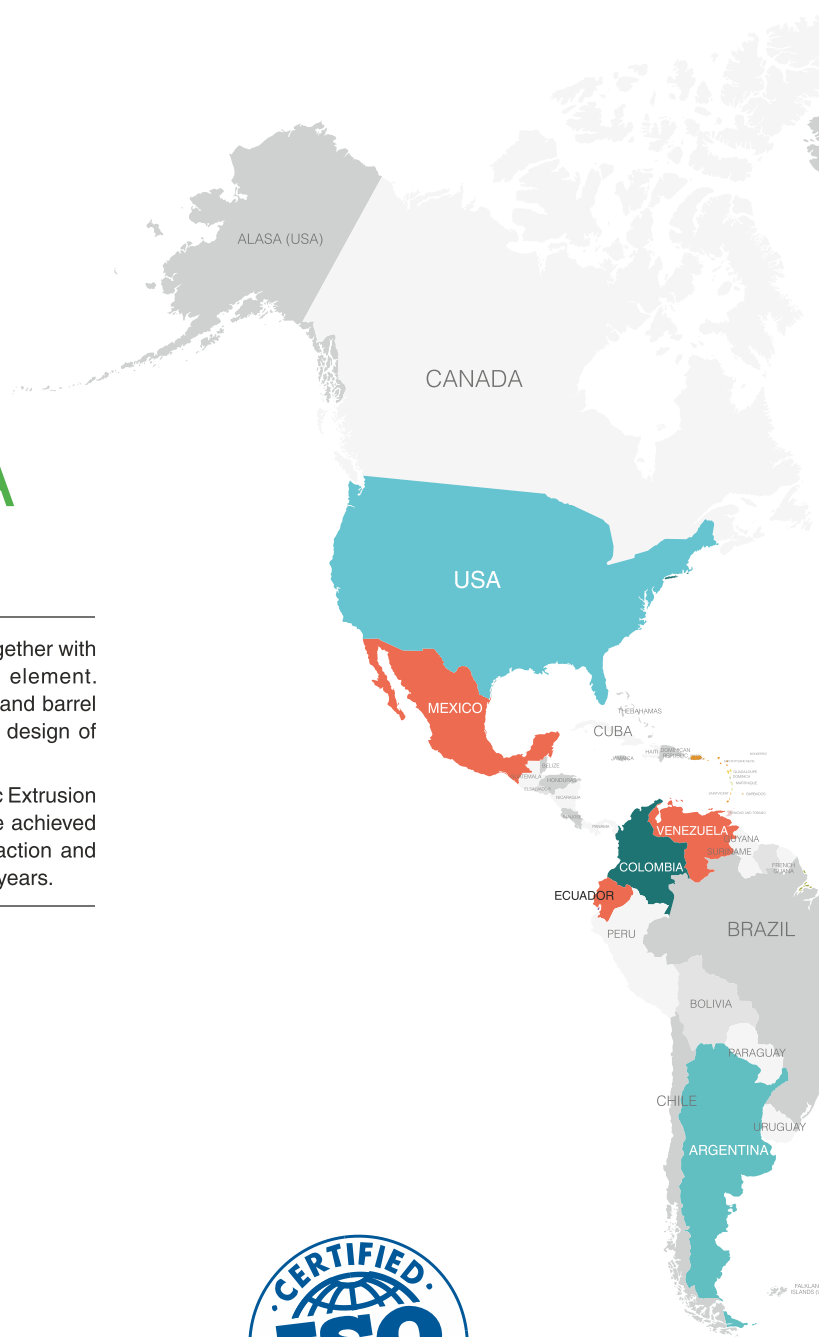


ECONOMICAL

# 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.

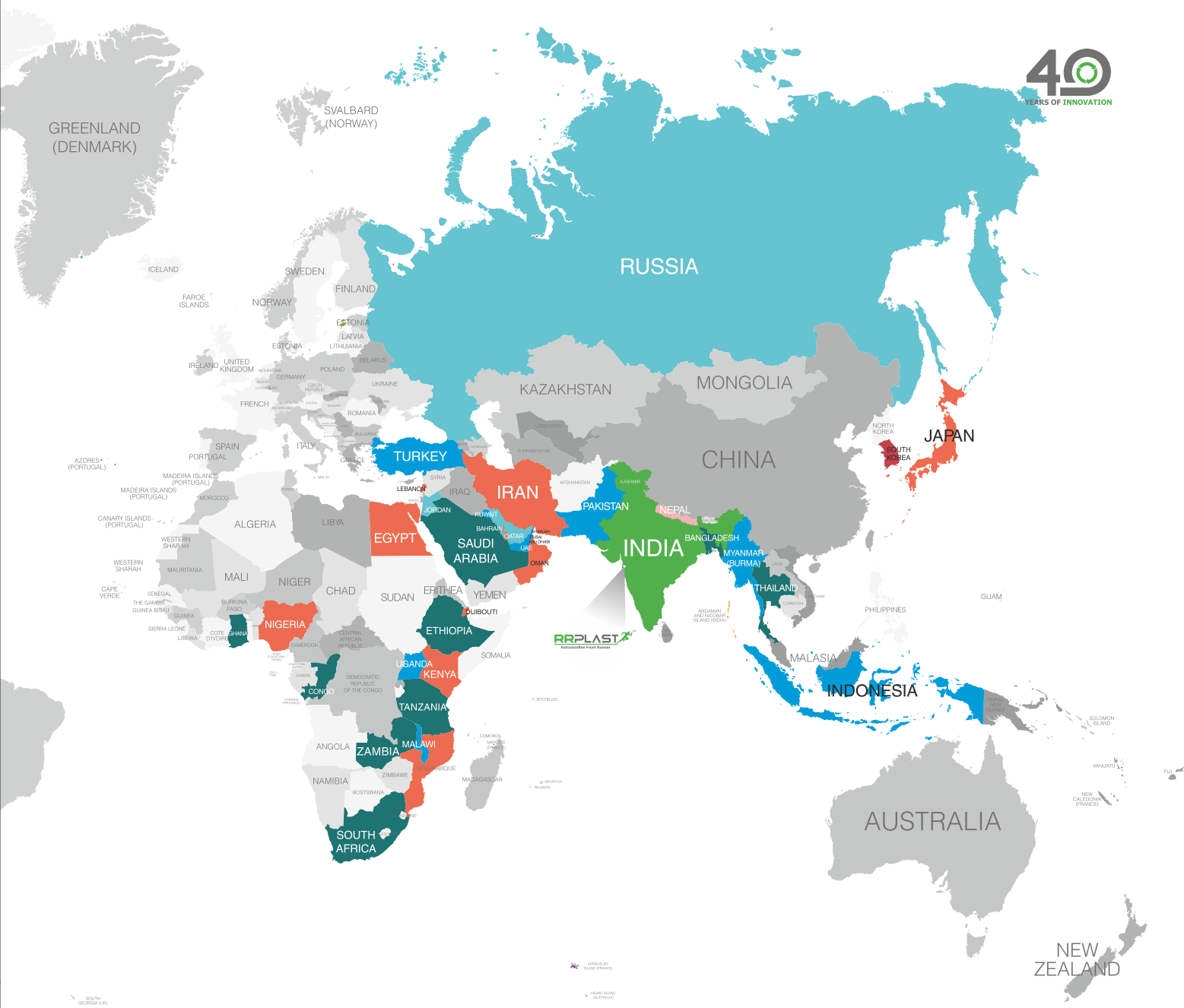


## GROWING GLOBAL COMPANY

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





**OUR INTERNATIONAL CREDENTIALS.**

- ASIAN CONTINENT
- GULF
- AFRICAN CONTINENT
- LATIN AMERICA
- OTHER COUNTRIES

THE COMPANY WITH A PEDIGREE EXPERIENCE OF

**40 YEARS**

IN PLASTIC EXTRUSION MACHINERY & EQUIPMENTS



**OFFERS SERVO TYPE THERMOFORMING MACHINE  
FOR PP / PS / PET WITH / WITHOUT - SERVO PLUG**



**APPLICATIONS**

Applications include various disposable products like tea cups, Juice/Water glasses, Glass lid, Plate Hinge lid containers, Egg containers, Meat/Fruit tray, Kitchenware products etc from PP, PS and PET.





## RRP INTRODUCES ROBOTIC STACKING SOLUTIONS



### KEY FEATURES:

- Stacking for Cup / Glass / Container / Bowl / Plates
- Stacking for more than 2 gram
- Stacking for any shape is possible
- Save Labour / Save Cost
- Hygienic operation



### THERMOFORMING MACHINE WITH SERVO

MODEL	Forming Area (mm)	Speed (cycles/min)	Sheet Thickness mm	Draw Depth	Material
RRTFM 7040-S2	700 x 400	45	0.2-2	130-150*	PP/PS/PET
RRTFM 7040-S3	700 x 400	45	0.2-2	130-150*	PP/PS/PET
RRTFM 6535-S2	650 x 350	45	0.2-2	130-150*	PP/PS/PET
RRTFM 6535-S3	650 x 350	45	0.2-2	130-150*	PP/PS/PET
RRTFM 5035-S2	500 x 350	60	0.2-2	130-150*	PP/PS/PET
RRTFM 5035-S3	500 x 350	60	0.2-2	130-150*	PP/PS/PET

**OFFERS HYDRAULIC TYPE THERMOFORMING MACHINE  
FOR PP / PS / PET WITH / WITHOUT - SERVO PLUG**



**APPLICATIONS:**

- Suitable for all types Round Containers, Square plates, Disposable Cups / Glasses, Lids & Seedling Trays

**OPTIONAL FEATURES:**

- Auto Stacking
- Online sheet Trim Grinder
- Moulds
- Inline Sheet Thermoforming, axis movement

### Hydraulic Thermoforming Machine

- The automatic pressure forming machine acts fast, quite and reliable. RR make pressure forming machine delivers high performance and cost effectiveness on HIPS, PP, PE, PVC, APET or CPET
- RR pressure formers are exceptionally sturdy, robust, spacious and maintenance free machines
- Further RR machines are energy efficient and least vibrating with optimally designed forming station



### FEATURES

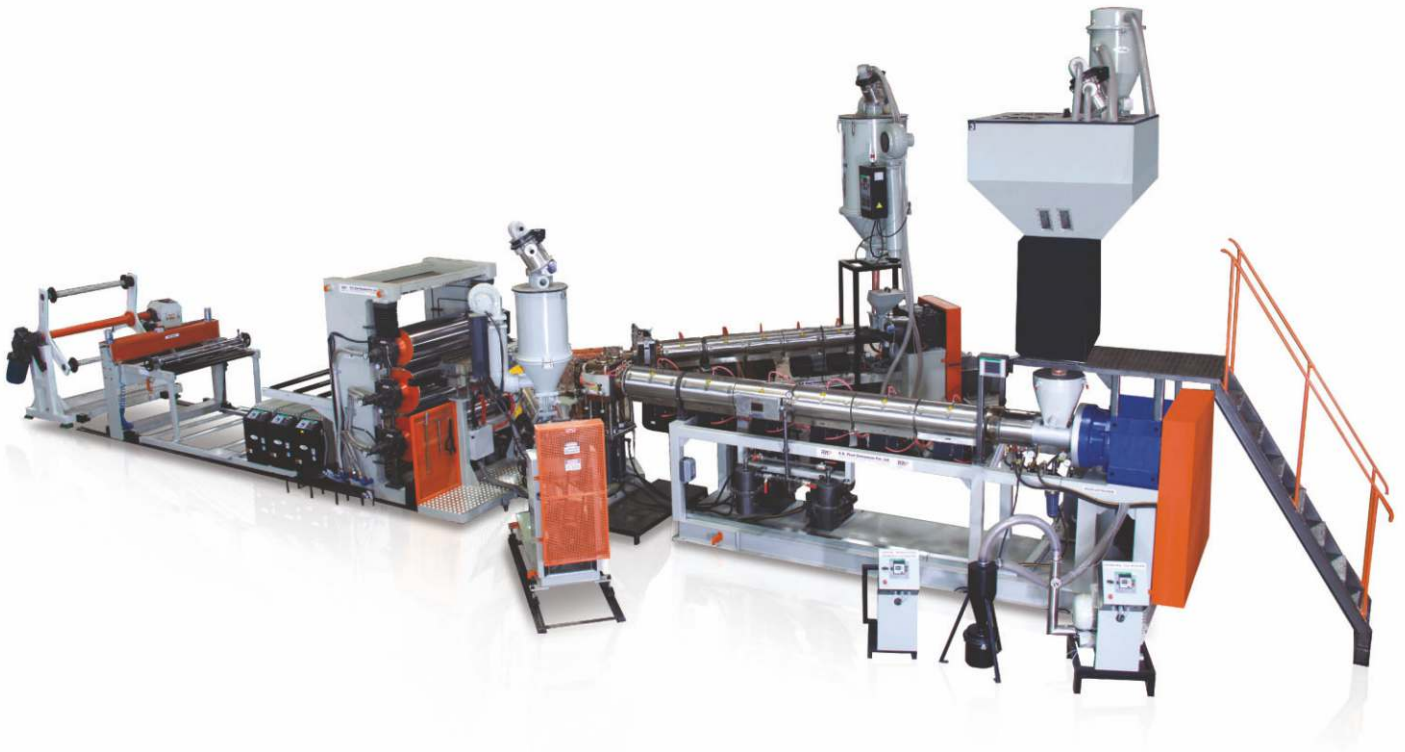
- RR's latest range of hydraulics series are equipped with Heavy duty hydraulic system for low maintenance and trouble free longer runs
- Effectively designed chain transport unit offers durability and ease of operation
- PLC system with touch screen
- Servo Controlled Plug model offers saving on air consumption and uniform speed leads to better forming quality
- Larger frame structure, two air tank, protruded cover for heating tray are some features that make RR machine unique



THERMOFORMING MACHINE WITH HYDRAULIC					
MODEL	Forming Area (mm)	Speed (cycles/min)	Sheet Thickness mm	Draw Depth	Material
RRTFM 7040-HYD	700 X 400	35	0.2-2	130-150*	PP/PS/PET
RRTFM 7040-HYDS	700 X 400	35	0.2-2	130-150*	PP/PS/PET
RRTFM 6535-HYD	650 X 350	35	0.2-2	130-150*	PP/PS/PET
RRTFM 6535-HYDS	650 X 350	35	0.2-2	130-150*	PP/PS/PET

THERMOFORMING  
& VACUUMFORMING  
APPLICATIONS

**PP / PS / HIPS  
MONO / MULTILAYER  
CO-EXTRUSION  
SHEET LINE**



**1000 KG/HR - 4 LAYER (A-B-A-C) HIPS  
SHEET EXTRUSION LINE**

**MULTILAYER SHEET IN DIFFERENT OPTIONS**

Running Model					
Material Feeding Form					
Materials	PS+HIPS EVA+PE PMMA+ABS ABS+HIPS APET+PETG	PS+HIPS EPP+PP+EPP EVA+PE+EVA ABS+HIPS+ABS HIPS+SCRAPS+HIPS	PMMA+HIPS+ABS HIPS+SCRAPS+PS	HIPS+SCRAPS +HIPS+PS	PS+HIPS+SCRAPS+HIPS+PS ABS+HIPS+SCRAPS+HIPS+ABS PP+ADH+EVOH+ADH+PP





### FEATURES

- Individually driven Vertical / Inclined Calendar Unit
- Precisely manufactured rollers Hardened and Mirror finished surface for superior surface properties and excellent thickness control
- Motorized/Hydraulic gap adjustment for calendar rolls for quick product changes
- Multilayer Feed Block & Flat sheet dies
- Melt pump for better pressure control for consistent thickness
- Automation through PLC with touch screen
- Specially Designed Winding System for Jumbo Rolls and 2/3 station Turret Winder
- Online Trim Recycling arrangement
- Lowest investment cost per ton of installed capacity

### PLC BASED SOFT TOUCH SCREEN OPERATION



### VERTICAL CALENDAR UNIT

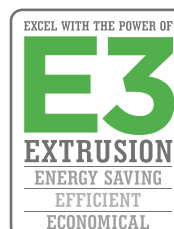


### APPLICATIONS

- Cups & lids for Dairy Products, Yoghurt, Milk & Ice Creams
- Drinking cups / glasses
- Containers for fruit, vegetables & sweet packing
- Meal trays for microwave ovens
- Flower Pots, transportation trays & Agricultural Products

### TECHNICAL SPECIFICATION

Material	Layers	Sheet		Output
		Width	Thickness	
PP	1 Layer	400 to 1500mm	0.25 to 2.0mm	200 to
HIPS/PS	2 Layers			2000
PS/HIPS/PS	3 Layers			kg/hr
PP/Tie/EVOH/Tie/PP	5 Layers			



**R-PET / A-PET /  
PET G / PLA  
SHEET EXTRUSION LINE**

**WITHOUT  
DEHUMIDIFIER**



**R-PET  
SHEET  
FROM**

**100%  
BOTTLE  
FLAKES**



**0.33  
kwh.kg.hr**

**APPLICATIONS**

- PET – Thermoforming Sheets, Blister Packaging Films, Folded Packaging, Lamination for Form Fill Seal (FFS), Value Added Packaging, Labels and Decals, Toy Boxes, Stationery Cases, Tools & Hardware Packaging
- PLA's Packing material in Microwave Ovens
- For Cosmetics, Medicine, Stationery, Alcohol and Food Packaging
- PLA can be used in Rigid Packaging of Fruits, Vegetables, Eggs, Cooked Food, Roast Foods, Biscuits, Sandwiches & Fresh Flowers
- Fold Forming, Under Collar, File Folder Document Cover, Credit Cards and Medical Equipments

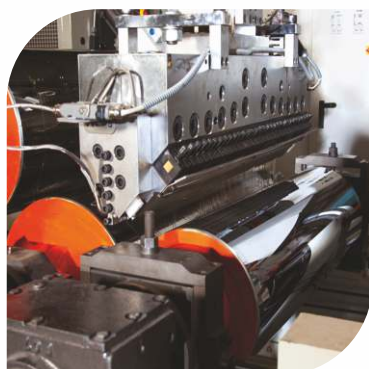
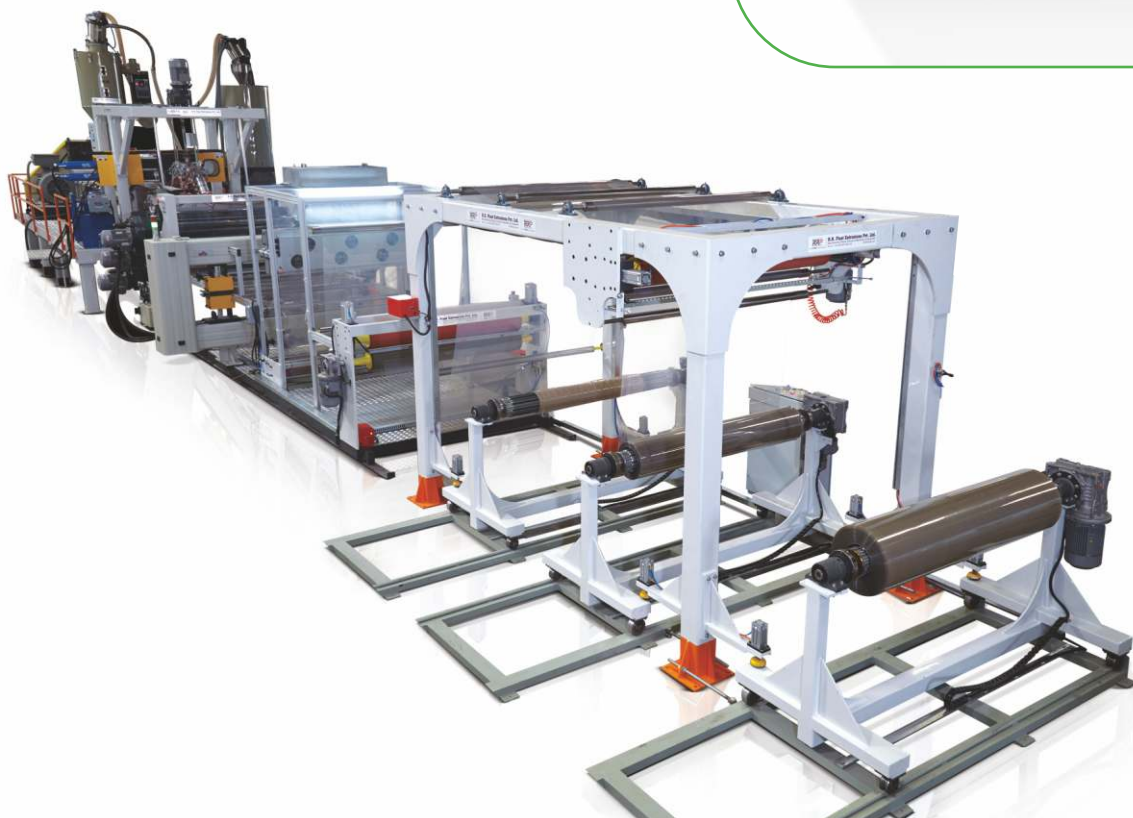
**TECHNICAL SPECIFICATION**

Material	Layers	Sheet		Output
		Width	Thickness	
APET	1 Layer	500 to 1500mm	0.2 to 1.5mm	200 to
PET G+APET	2 Layers			1000
APET+RPET+APET	3 Layers			kg/hr

## R-PET SHEET

### FEATURES

- Tripple vented extruder
- Auto backflush screen changer
- A-B-A Three Layer Feedblock
- Special designed Hori-Inclined servo Driven Calendar unit.
- Silicon coating & drying
- Thickness measuring gauge
- Auto thickness control sheet die



SPECIAL DESIGNED  
HORI-INCLINED  
SERVO DRIVEN  
CALENDAR UNIT

## 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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