

PIPE EXTRUSION PLANT



**FLAT DRIP
PIPE**



**ROUND DRIP
PIPE**



**HDPE
PIPE**



Flat Drip Irrigation Pipe Extrusion



Key Technical Specifications & Features

- Pipe Size =12/16/20mm
- Flat Pipe Thickness Range: 0.15 mm to 1.0 mm
- Production Capacity: Up to 160,000 – 200,000 meters/day (Flat Drip Pipe)
- Specific Energy Consumption: Approx. 0.30 kWh/kg
- Line Speed:
 - Up to 120 m/min (BIS Standard)
 - Up to 200 m/min (Non-BIS)
 - Up to 200 m/min (Non-BIS)
- Dripper Spacing: 10 cm and above
- High-Speed Production with Low Material Waste
- Energy-Efficient System with Low Power Consumption
- Dripper insertion capacity: up to 600 drippers/min for 36 mm long dripper, up to 1200 drippers/min for 35 nano mini
- High-Speed Perforation Unit with Capacity up to 600 Drippers/min With Single Punching & 1200 Drippers/min With Double Punching
- Online Visual Inspection System for perforation accuracy and dripper spacing control
- Flexible Production Features:
 - Uniform Spacing
 - Group Spacing
 - Plain Pipe Production
 - Sampling Function
- Two-Station Automatic Coiler with:
 - Synchronized Traversing
 - Automatic Pipe Cutting
 - Automatic Bobbin Changeover
- PLC-Based Control System for automated and synchronized operation

Main Technical Specifications

Model	Dripper Insertion Speed (mm)	Line Speed (mtr/min)	Output (Kg/h)	Running Load (kW)
RRPP 45/33-45-150-1L	600	150	Up to 150	65
RRPP 65/33-55 kW	1000-1200	200	Up to 250	105
RRPP 65/33-75 kW	1000-1200	300-400	Up to 300	123

Note: Technical specifications are subject to modification without prior notice.



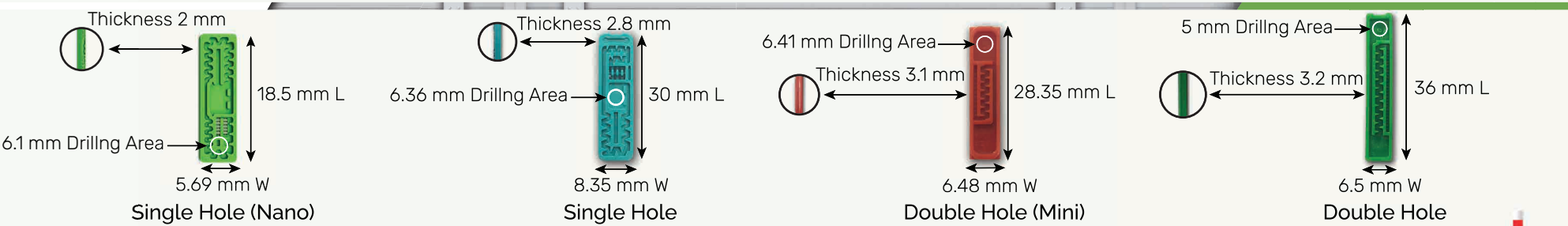
FLAT DRIP COIL



TWIN HOLE DRIP PIPE



FLAT DRIP PIPE



ROUND DRIP PIPE Extrusion

Groove feed next generation barrier screw



INLINE / ONLINE

Key Technical Specifications & Features

- Fully Servo-Driven Round Drip Irrigation Line for high precision and repeatability
- High-Speed Production with Enhanced Consistency
- Pipe Diameter Range: 12 mm | 16 mm (20 mm 32 mm optional)
- 3-Layer (A-B-A) Co-Extrusion Die Head for improved pipe performance and material optimization
- Multi-Hole Perforation Capability: 2 or 4 holes as per customer requirements
- Specific Energy Consumption: Approx. 0.30 kWh/kg for energy-efficient operation
- Production Capacity: Up to 120,000 mtrs/day or 300-400 coils/day
- Extruder Throughput: Up to 250 kg/h for pipe production
- PLC-Based Automation System for synchronized and efficient operation
- Coil-to-Coil Weight Variation: Maintained within ± 50 gm for consistent output
- Pipe Wall Thickness Range: 0.4 mm – 2.5 mm
- Dripper Spacing: 20 cm and above
- Servo-Driven Belt-Type Dripper Insertion System with capacity up to 400 drippers/min
- Servo-Controlled Perforation Unit with drilling capacity up to 400 drippers/min
- Precision Speed-Controlled Haul-Off Unit for stable pipe dimensions
- Line Speed: 80 – 100 m/min depending on pipe specifications
- $\varnothing 32$ mm – mini sprinkler pipe @ 20 mtr/min

Main Technical Specifications

Model	Pipe Size (mm)	Output (Kg/h)	Line Speed (Mtr/h)	Running Load (kW)
RRPP-65/33-3L	12-32	250	80-100	96

Note: Technical specifications are subject to modification without prior notice.



ROUND DRIP COIL



ROUND DRIP PIPE



ROUND DRIP PIPE USE



PE Rain Pipe Extrusion

Key Technical Features

- Advanced Fiber Laser Punching / Perforation System designed for line speeds up to 70 m/min, equipped with a computerized graphic control interface for precise and programmable hole patterns
- Nano-Precision Punching Technology for rain pipe perforation, ensuring uniform water discharge and consistent flow distribution along the pipe length
- Two three-Station Winder with variable torque drive, suitable for rain pipe and LLDPE subline pipe winding, ensuring stable coil formation and controlled tension

Features: -pipe size = 20/32/40/50/63-Rain Pipe 63/75/90/110 mm Subline Pipe

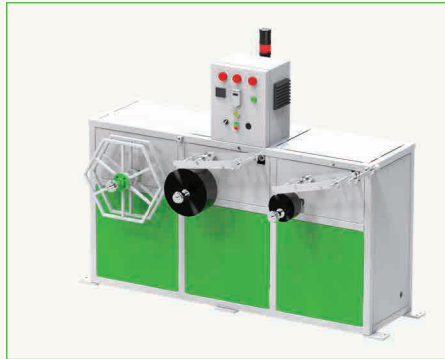
- ABA design for up to 70% recycle material consumption
- PLC & HMI operated machine (Option)
- Hopper Loader Dryer.
- Compact design & low power consumption
- 70MPM high speed with optical fibre laser punching
- Space requirement length 15 meter X Width 3.5 meter X Height 5 meter
- Suitable to produce rain pipe, low thickness lay flat deliver hose Pipe



3 LAYER EXTRUDER SYSTEM



LASER PUNCHING UNIT



PRECISE PIPE COILER

Main Technical Specifications

Pipe size	20 mm to 63 mm Rain Pipe
	63 mm to 110 mm Subline Pipe
Speed	10-70 mtr/min
Output	40/100 Kg/h
Layer	3 Layer (A-B-A) With Stripe
Power	40 kW

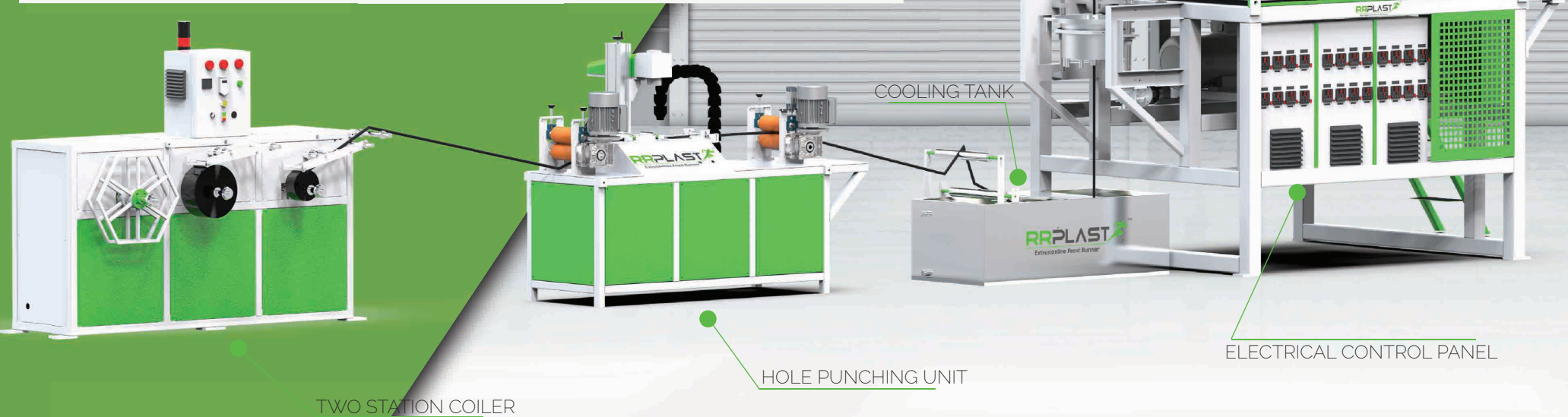
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RAIN PIPE



RAIN PIPE USE



TWO STATION COILER

HDPE, PPR Pipe Extrusion

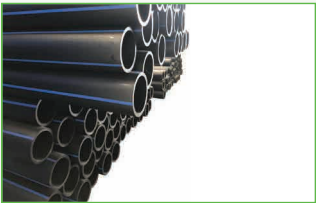
Key Technical Features & Specifications

- PE 63 / PE 80 / PE 100 Grade Processing Capability for pressure pipe applications
- Pipe Diameter Range:
20 mm – 110 mm
63 mm – 200 mm
Up to 315 mm (depending on model)
- Production Output Range: Form 200-750 kg/h depending on material and configuration
- Specially Designed 3-Layer Co-Extrusion Pipe System (A-B-A / A-B-C configurations)
- Next-Generation Barrier Screw Design with extended L/D ratios (33D / 36D / 40D) optimized for polyolefin processing
- Precise Melt Control ensuring uniform temperature and pressure profiles, minimizing surging and thermal degradation
- Stable and Consistent Throughput across the entire screw speed range
- Flexible Drive Configuration with direct-coupled or belt-driven motor and gearbox, optimized for torque requirements and reduced energy consumption per unit output
- Nitrided Steel Screw and Barrel as standard, with optional bimetallic high wear-resistant barrels for high-speed and abrasive applications

Main Technical Specifications

Model	Layer	Output (Kg/h)	Material
20-315	Mono / Multilayer (A-B/A-B-A/A-B-C)	250-750	PE63/PE80/PE100

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SPRINKLER & WATER SUPPLY PIPES



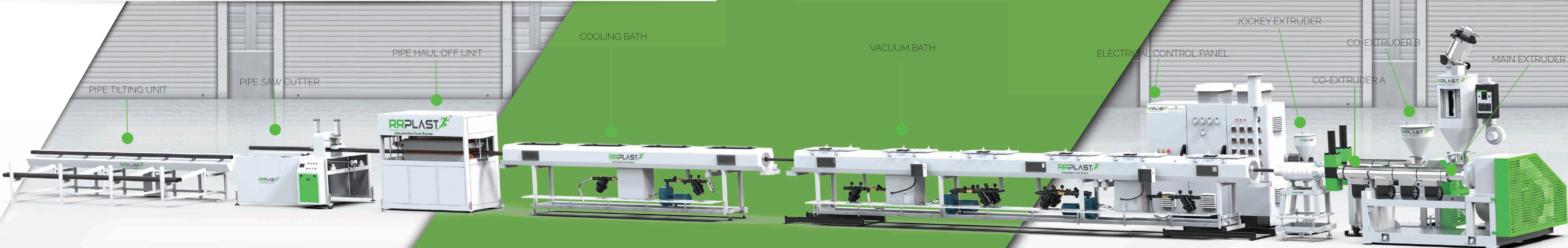
PE GAS PIPE



3 LAYER PPR PIPE



3 LAYER DIE HEAD
(A-B-C) / (A-B-A)



High-Precision Tube Extrusion

D/F BARREL, POLO BARREL, REFILL TUBE, LOLLIPOP STICKS, DIP TUBE, INDUSTRIAL TUBE

- Technical Specifications & Features
- Material Compatibility: PP, HDPE, LDPE, EVA, TPE and other thermoplastic materials
- Tube Diameter Range: 2 mm – 20 mm
- Layer Configuration: Monolayer or Multilayer Tube Extrusion Capability
- Line Speed: Up to 100 m/min or 1200 cuts/min (application dependent)
- Tube Dimensional Accuracy: ± 0.05 mm
- Cutting Accuracy: ± 0.5 mm with single-blade precision cutter
- Precision Vacuum Calibration System for stable tube dimensions
- Melt Pump Integration for accurate melt flow control and consistent output
- Servo-Driven Coiler for specialized tube winding applications (Optional)
- Servo-Controlled Cutting Unit for high-speed operation, precision cutting, and reduced material waste
- Production Output: 10 to 50 kg/h
- High Speed Lollipop Sticks Production Machine – 1200 Cut/Min

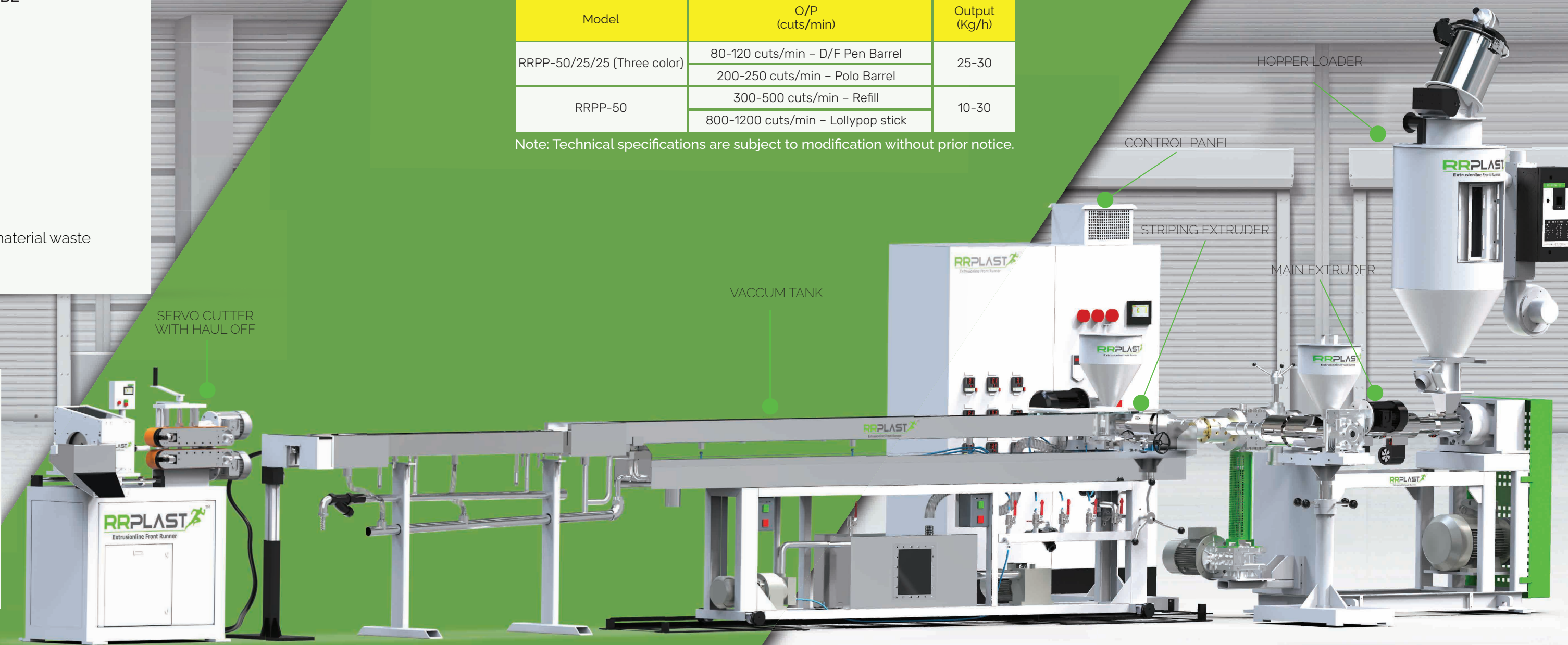


Main Technical Specifications

Model	O/P (cuts/min)	Output (Kg/h)
RRPP-50/25/25 (Three color)	80-120 cuts/min – D/F Pen Barrel	25-30
	200-250 cuts/min – Polo Barrel	
RRPP-50	300-500 cuts/min – Refill	10-30
	800-1200 cuts/min – Lollypop stick	

Note: Technical specifications are subject to modification without prior notice.

RRPLASTTM
Extrusionline Front Runner



INDIAN AT HEART - GLOBAL IN SPIRIT



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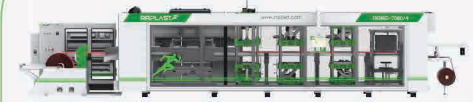
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VENTED RECYCLING PLANT



PP, PS SHEET LINE



THERMOFORMING MACHINE



DIRECT FEED RECYCLING PLANT

