

**A DECADE OF FOUNDATION,
A FUTURE OF INNOVATION**



Sustainable Production

WINTRIM 35

**Online Air-Cooled
Granulator**



From the legacy of
WINTech INDUSTRIES
comes the evolution of
KRONOPLAST EXTRUSION

www.kronoplastextrupack.co.uk

WINTRIM
ON-LINE GRANULATING

THE NEW ERA OF MATERIAL INTEGRITY

WINTRIM: THE REBIRTH OF GRANULES.

Advanced Semi-Twin Screw Technology for a True Closed-Loop Multilayer Extrusion.

BEYOND RECYCLING: A RENAISSANCE OF POLYMERS

At Kronoplast Extrusion Pvt. Ltd., we believe that edge-trim is not "waste"—it is a premium resource. While the industry speaks of "recycling," we speak of the **Rebirth of Granules**.

Our **WINTRIM** system doesn't just reprocess plastic; it restores it. By integrating our advanced air-cooled granulator directly into your production line, the molecular property of the polymer is preserved so perfectly that the resulting granules are indistinguishable from virgin resin. This is the ultimate "Rebirth"—giving your material a new life without the loss of quality typical of secondary processing.

The 100% Moisture-Free Guarantee

Moisture is the silent killer of film quality. Traditional recovery systems often rely on water-cooling, which traps moisture in the pellets, leading to "fish-eyes," bubbles, and structural weaknesses in your final multilayer film.

- Dry-Process Advantage:** The WINTRIM is a strictly Air-Cooled system. Because the material never touches water, it remains bone-dry.
- Direct-Extrusion Ready:** The "rebirthed" granules are immediately ready for re-feeding into the main extruder. This eliminates the need for expensive secondary drying systems or storage silos.
- Zero Contamination:** Our closed-loop pneumatic system ensures that from the moment the trim leaves the winder to the moment it re-enters the hopper, it remains pure, dry, and dust-free.
- Auto Regulating:** Machine adjust its speed to provide the consistent size and quality of granules.

Engineering Superiority

Why WINTRIM is the Clear Winner?.

In a market saturated with "cheap" single-screw plants, Kronoplast offers a high-precision engineering solution. The difference isn't just in the price—it's in the molecular performance of your material.

The Comparison: Professional Grade vs. Budget Grade

Performance Metric	Cheap Single-Screw Plants	WINTRIM (Semi-Twin Tech)
Thermal Stress	High friction "beats" the polymer, causing degradation.	Low-Shear Design protects the molecular chain.
Moisture Risk	High (due to water-ring or poor air flow).	Zero. 100% Air-cooled for peak purity.
Granule Quality	Irregular, low-density "fluff" or uneven pellets.	Uniform, High-Density "Rebirth" granules.
Mixing Capability	Poor homogenization of multilayer structures.	Superior Blending of complex LD/LLD/HD layers.
Film Strength	Leads to drop in dart-impact and tensile strength.	Original Properties Maintained for high-spec film.
Hidden Costs	Frequent screen changes and high reject rates.	Consistent Output with minimal maintenance.

The "Semi-Twin" Screw Difference

Cheap machines use standard single screws that rely on aggressive friction to melt plastic. This "over-cooks" the polymer, leading to yellowing and property loss.

Kronoplast's Semi-Twin Screw architecture provides a specialized mixing zone that mimics the gentle, uniform shearing of a full twin-screw extruder. This ensures that the material is melted at the lowest possible temperature, preserving the Melt Flow Index (MFI) and ensuring the rebirth of a granule that performs at a virgin-grade level.



The Economic Logic of Recovery:

Selling edge-trim as scrap is a leak in your profit margin. Most manufacturers lose 20% to 30% of the material value when selling trim waste to the market. WINTRIM plugs this leak by allowing you to retain 100% of the material value.

UNDERSTANDING THE ROI (RETURN ON INVESTMENT)

The WINTRIM is a Self-Liquidating Asset.

Here is how the value accumulates:

Eliminate the "Resale Gap":

When you sell waste, you lose the difference between the Virgin Price and the Scrap Price (typically a loss of ₹20-₹25 per kg). By recycling online, you save that entire amount.

No Material Loss:

Traditional offline recycling can lead to 1-2% material loss during handling and contamination. Our closed-loop system ensures 100% recovery.

Labor & Storage Savings:

Conventional recycling requires manual collection, transport to a separate area, storage space, and dedicated labor. WINTRIM automates everything in a compact, 1-meter footprint.

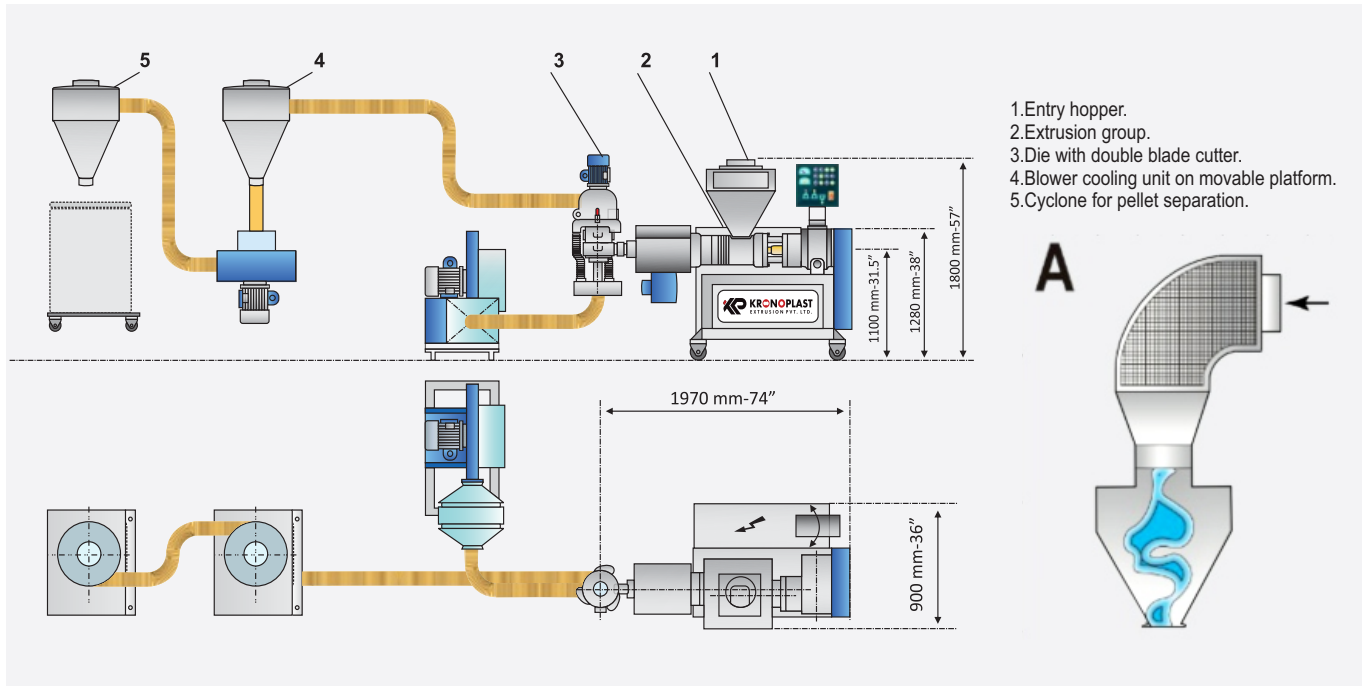
Rapid Payback:

Depending on your production volume and material costs, most WINTRIM installations achieve full capital recovery in less than 12-15 months.

Ask our experts for a customized ROI sheet based on your specific production capacity and material costs.

Technical Specifications:

- **Output Capacity:** Optimized for multilayer lines (up to 35 Kg/hr). (High-output versions available on request).
- **Material Range:** LDPE, LLDPE, HDPE, HM-HDPE, and Specialty Blends.
- **Core Components:** Semi-Twin Screw Extrusion Group, Precision Cutter, High-Volume Air Cyclone.



Trusted by Industry Leaders
Global Footprint – Served with Excellence

