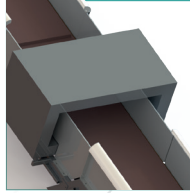


SUPATRIM



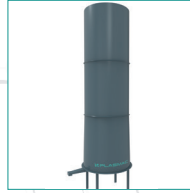
Our infeed device designed for the feeding of medium/high speed edge trim. Uniquely suited to stretch and tacky material, the **SupaTrim** is fully automatic in operation. The trim is directly hauled off from the winder and fed into the recycling extruder. The facility to synchronise with the OEM winder is provided as standard to maintain a reliable and constant tension.
*available for Alpha series only.

ELEVATOR & METAL DETECTION



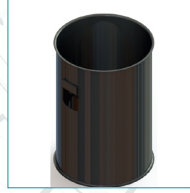
A full range of **Elevators** available with integrated **Metal Detectors** which reliably detect both ferrous and non ferrous contamination.

SILO FEEDER



With experience gained from a wide variety of feedstock materials we can offer a range of sizes that will meet your requirements. All Plasmac **Silo Feeders** come with an automatic discharge system and can be engineered to suit any specific application. Available as a turnkey solution when coupled with the ALPHA series recycling extruders or can be used as a buffer for storage silo.

DTEC



The **Dtec** system is used to detect pellet or particulate flow in pipework and has adjustable sensitivity. If no pellets are detected an alarm will initially sound before the machine is shut-down.



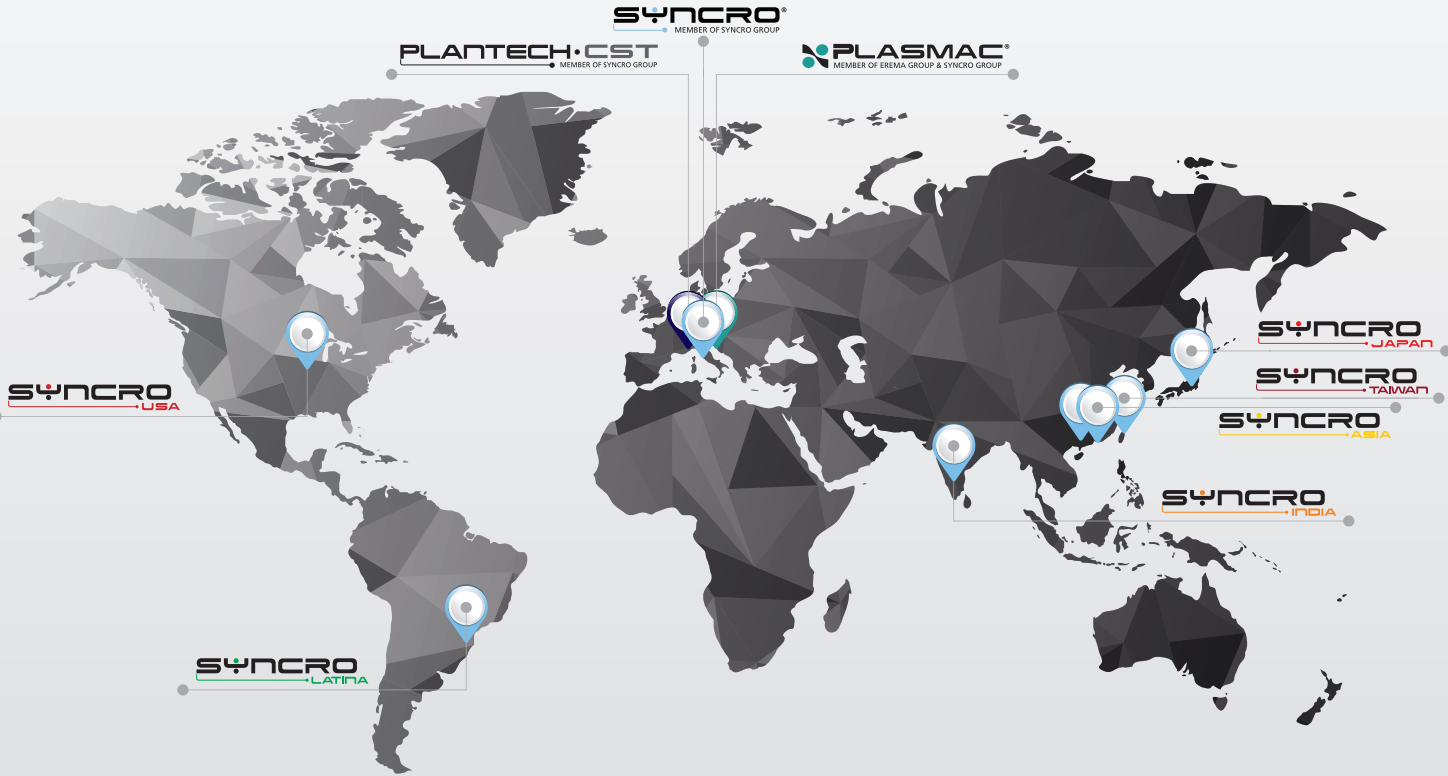
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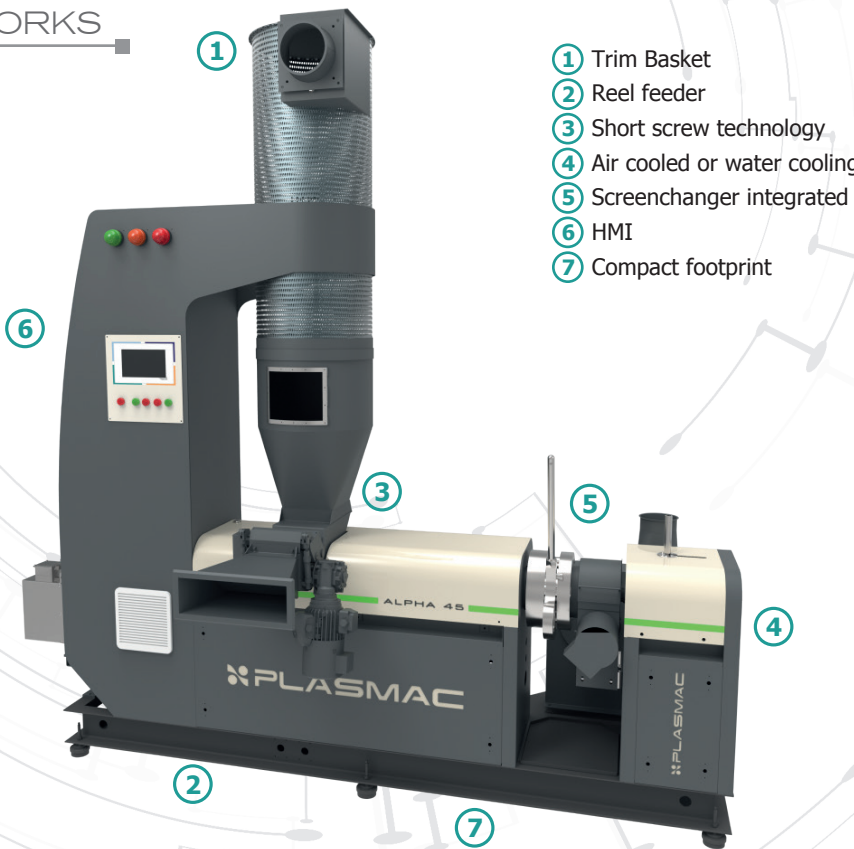
The ALPHA Range of Machines

In-line recycling systems for edge trims

The Alpha is a direct extrusion system, ideal for repelletising inline trim and off-spec reels, reels only or flake, its compact footprint and energy saving design make it the ideal solution for your inhouse recycling needs.

TECHNICAL BENEFITS	ECONOMIC BENEFITS
Fully automatic edge trim system including automatic throughput adjustment and standby mode	High-quality product - up to 100% of pellets returned to the production process
Direct extrusion - no pre-cutting of the edge trim necessary	Minimum labour required thanks to the fully automatic operation
Maximum flexibility - feeding possible via pneumatic air conveying in to a trim basket, mechanical trim conveying via the SupaTrim, roll feeder or flake feeder	Low cost of production due to low energy usage and operator requirements
Short Screw Technology or SST ensures low shear, minimum process dwell time and the absolute minimal material degradation	Quickest return on investment due to the low cost of production allied to a competitive price
Minimal power consumption & the highest output / kW installed power in the market	Compact, space-saving design saves floor space

HOW IT WORKS



SUITABLE MATERIAL



Material that can be processed – PE / PP / PA / EVOH / PS / Bio / ABS / PC and others on request.

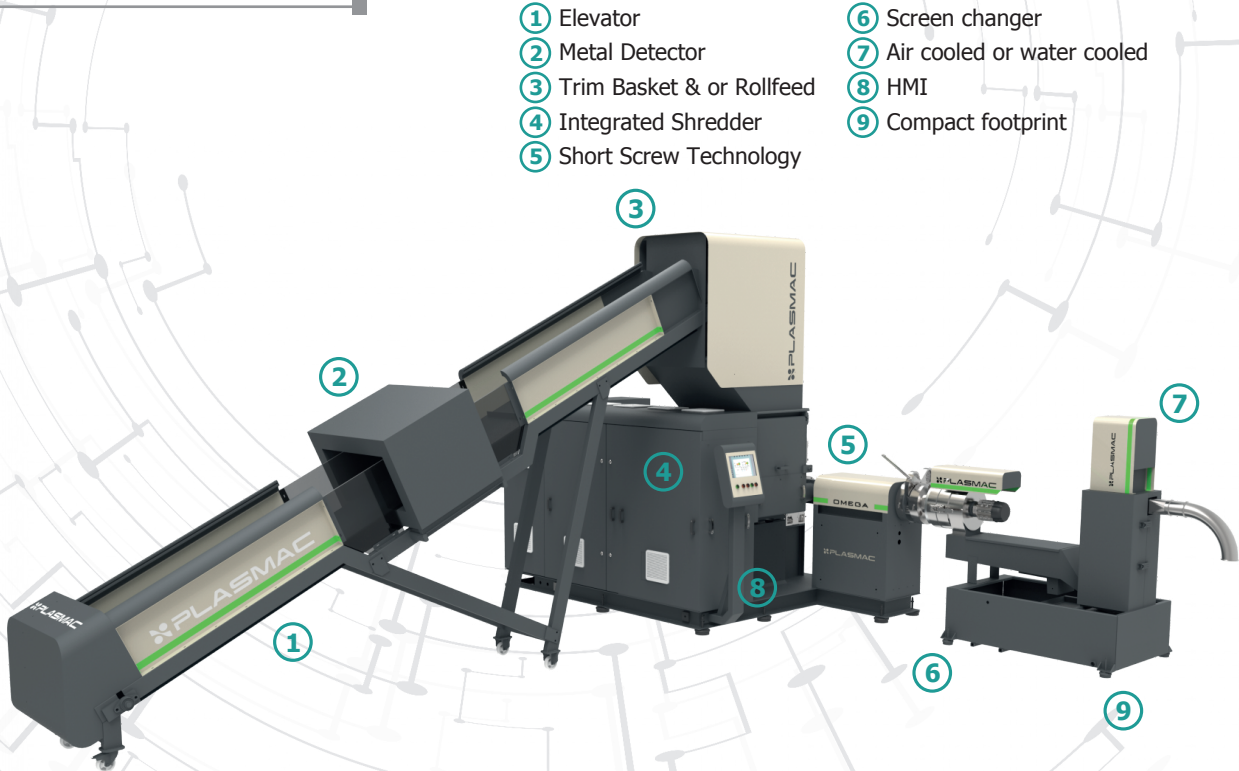
The OMEGA Range of Machines

Shredder Extruder Systems for both In-line and off-line recycling

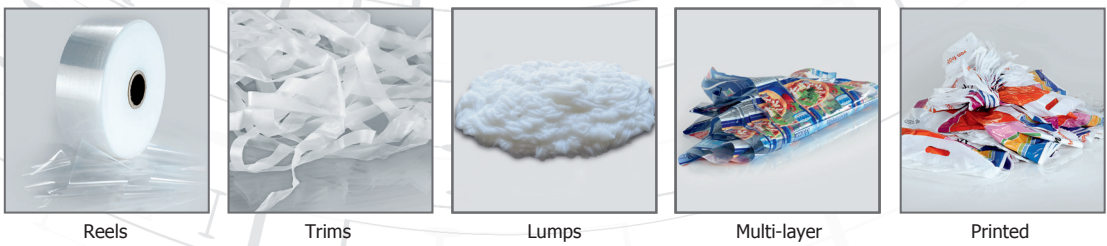
The Omega is a shredder / extruder combination, ideal for repelletising high speed inline trims or for offline use to recycle off-spec reels, lumps, loose material or start-up scrap. It's compact design, energy saving design make it the ideal solution for your inhouse recycling needs.

TECHNICAL BENEFITS	ECONOMIC BENEFITS
Fully automatic feeding systems including elevator, roll feed or trim basket for edge trims, includes automatic throughput adjustment and standby mode	High-quality product - up to 100% of pellets returned to the production process
Unique shredder & auger design, generates virtually no dust or heat, requires no water cooling	Minimum labour required thanks to the fully automatic operation
Maximum flexibility - can reprocess any form of scrap from start-up lumps, bales, loose or slabbed scrap, feeding is via a trim basket, roll feeder and elevator with integrated metal detector	Low cost of production due to low energy usage and operator requirements
Short Screw Technology or SST ensures low shear, minimum process dwell time and the absolute minimal material degradation	Quickest return on investment due to the low cost of production allied to a competitive price
Minimal power consumption & the highest output / kW installed power in the market	Compact, space-saving design saves floor space

HOW IT WORKS



SUITABLE MATERIAL



Material that can be processed – PE / PP / PA / EVOH / PS / Bio / ABS / PC and others on request.

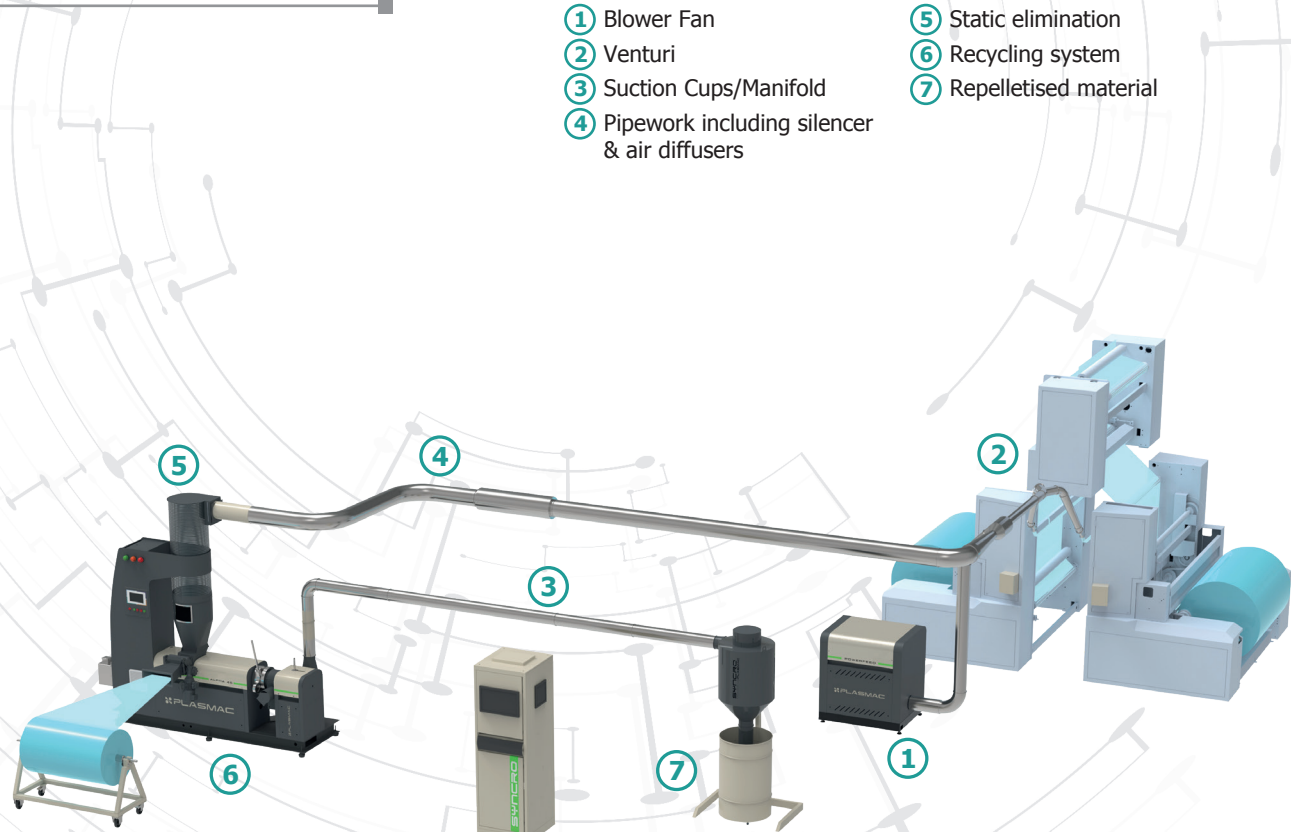
POWERFEED

The next generation of pneumatic trim conveying systems

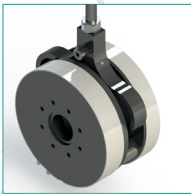
Powerfeed is a uniquely designed pneumatic trim conveying system that delivers the trims to the recycling machine or collection system with the absolute minimum of air, available in a range of sizes, there is a Powerfeed system available for almost every application.

TECHNICAL BENEFITS	ECONOMIC BENEFITS
Trim pick-up via custom designed manifolds or via suction cups after trim haul-offs	Turnkey solution from one provider, we take care of it all, including back up and service
A range of blowers, venturi's and silencers to handle edge trims only or edge and bleed trims	Ease of use and reliability mean the minimum of labour required to manage the process
Unique design "bleeds" air through the pipework to ensure the trims arrive at the basket of collection system with the absolute minimum of entrained air	Low power usage and the high efficiency of the system ensure the quickest return on investment
Low noise levels in operation ensure a minimum of noise pollution in the production area	Low noise levels and flexibility of positioning mean no costly noise reduction needed
Plasmac is the only supplier to offer a turnkey solution for both trim conveying and repelletising using their own technology	Minimum service and maintenance and a compact, space-saving design

HOW IT WORKS

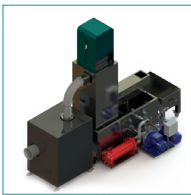


SCREENCHANGERS



A full range of **Screenchangers** are available. The PLM series, a simple manual screen changer suitable for most applications. The PLH series, a hydraulic screen changer for continuous operation. The PLBF series, a fully automatic backflushing screen changer for more demanding applications.

PELLETIZER



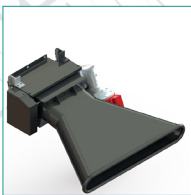
The **Hydrocool Pelletizer** is available in a range of sizes:
 > HC100 Up to 100 Kg/h
 > HC200 Up to 200 Kg/h
 > HC400 Up to 400 Kg/h
 Each model is inclusive of variable speed AC driven knife cassette, rotary cooled pellet collector, water tank, water chute, filters, pumps, heat exchanger, centrifuge and secondary cooling/discharge fan and cyclone (not shown). Available with all the Plasmac range of recycling machines or as a stand-alone pelletizing system.

TRIM BASKET



The **Trim Basket** removes entrained air from the trim conveying system and allow the trims to fall in a controlled manner directly on the Alpha screw or into the Omega shredder, also available with Teflon coating for highly sticky materials.

ROLLFEED



The latest versions of our proven feeding unit. Available with a range of rollers to suit almost any application these simple yet robust units provide the basis of our feeding options. Fully automatic operation, available for all machines in sizes from 300mm to 600mm widths. All units have an adjustable pneumatic tension system as standard. The **Rollfeed** can be run **simultaneously** with in-line trim when used with the Alpha series recycling extruders or as a dedicated system for off-spec reels.

FLAKE FEEDER



A simple, low cost method for feeding flake, size reduced material, agglomerated material or anything that is relatively free flowing. Comes complete with variable speed AC driven auger feed-screw. The **Flake Feeder** is fully automatic and is available with the Alpha range of recycling machines.