PLASMAC
MEMBER OF EREMA GROUP & SYNCRO GROUP

OMEGA

A one step recycling solution

The **OMEGA** recycling shredder extruder system uses Plasmac's unique Short Screw Technology (SST), which is based around a dual diameter 14:1 L/D ratio screw.

PRINCIPLE OF OPERATION

The waste material is fed via elevator, rollfeed or trim basket in to the slow rotating shredder, Plasmac's unique screen design ensures minimal heat and dust meaning a higher quality pellet is generated with the lowest levels of gels possible. The S.S.T. ensures low shear, runs at low melt temperatures and therefore guarantees an absolute minimum of material degradation giving you the highest quality recycled pellet.

MAIN FEATURES

Minimal power consumption & the highest output / kW of installed power in the market

Giving you lower running cost and therefore the quickest return your on investment with paybacks in as little as six months.

Low shear, minimum process dwell time and the absolute minimum of material degradation

Means you can recycle all of your scrap material into high quality pellets, reducing your material costs and improving your profitability.

Slow rotating shredder technology and unique screen design

Requires no cooling water of the rotor or transfer system, reduces maintenance and costs, therefore improving your profitability.

Smallest footprint recycling machine available on the market

Minimal floor space is required freeing up valuable floor space for other applications.

ANCILLIARES

AIR or WATER COOLED PELLETISER

Air or water pelletisers, the material or output being run determine the type of pelletiser needed.

TRIM BASKET

For feeding inline trims into the shredder.

REELFEED

Used to feed off-spec or scrap reels into the shredder.

ELEVATOR & METAL DETECTOR

Used to convey loose, reels, lumps, in fact any type of scrap in to the shredder.

SCREEN CHANGERS

Manual or automatic systems available, used when running offline products i.e. reels, flake etc.

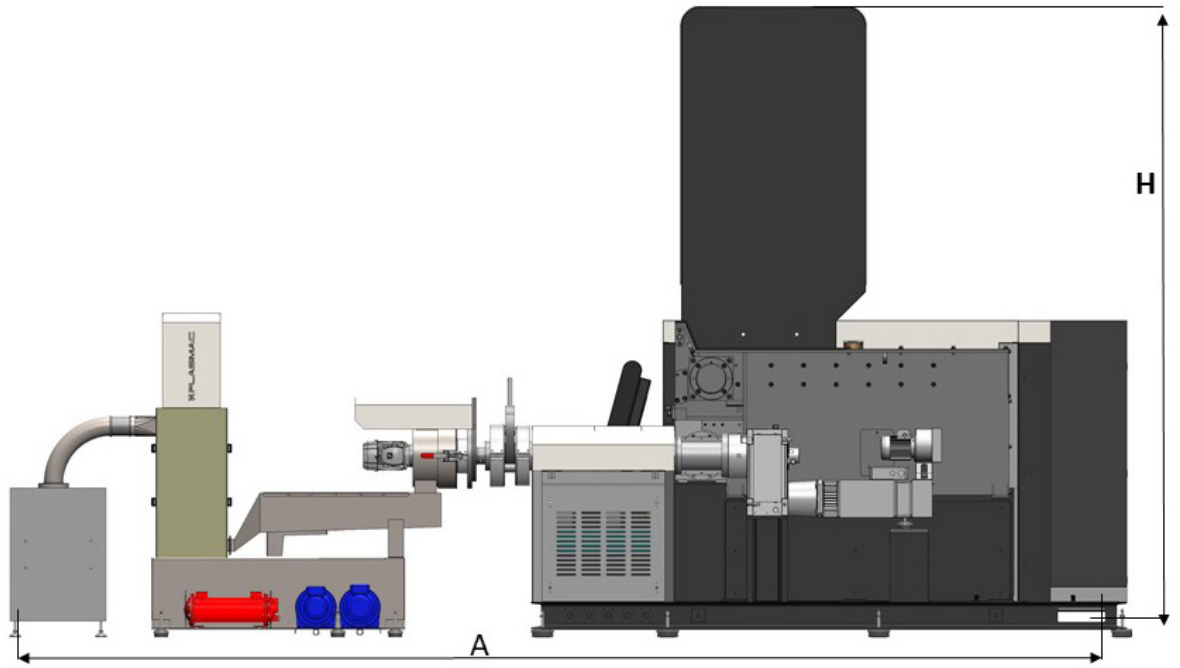
VACUUM DEGASSING STATION

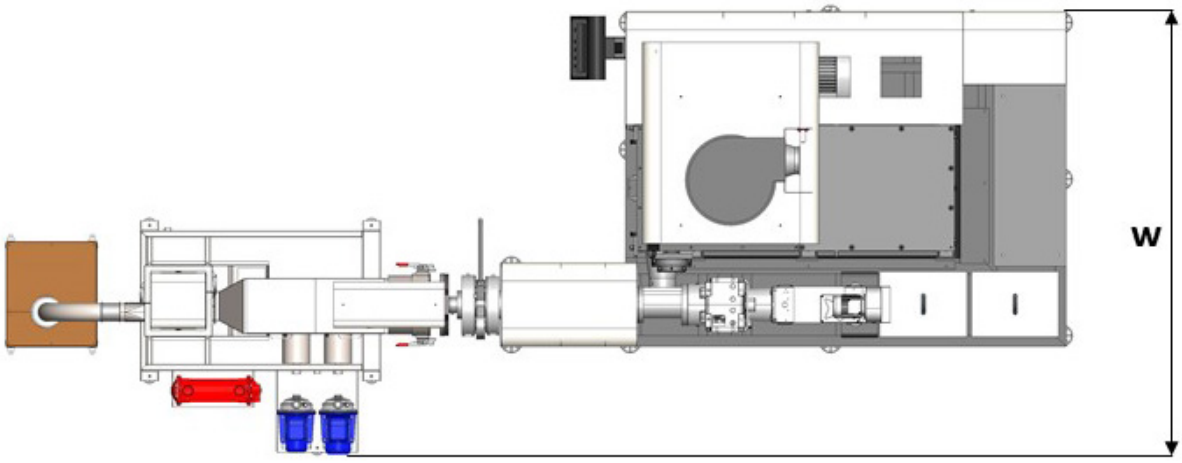
Single or double venting systems available to allow you to run printed or hydroscopic materials.

DTEC

A pellet detection system to advise if there are issues in the pelletiser.

TECHNICAL DATA





MODEL	Output Kg/h*	Motor kW	Floor Space m²	A (mm)	W(mm)	H (mm)	Weight ** Kg
ECO	120	18,5	6.3	5860	2440	3273	4445
150	150	29	6.4	5960			4560
180	180	37	6.5	6060			4650
250	250	46	6.6	6160			4780

* Depends on the type and the format of the material
** Depends on the installed accessories