



# ALPHA

## Hydro Cooling Recycling Extruder

The **ALPHA** recycling extruder uses Plasmac's unique dual diameter Short Screw Technology (S.S.T.)



### PRINCIPLE OF OPERATION

The waste material is directly fed into the screw meaning no prior size reduction is required. Due to this, little or no dust is produced which means a higher quality pellet with the lowest levels of gels possible. The S.S.T. ensures low shear and runs at low melt temperatures guaranteeing an absolute minimum of material degradation producing 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 on your investment.

#### **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.

#### **Direct extrusion design, no prior size reduction required**

Requires no other costly equipment, reduces maintenance and increases your productivity, therefore improving your profitability.

#### **Smallest footprint recycling machine available on the market**

Minimal floor space is required.

#### **TRIM BASKET**

For feeding inline trims into the recycling extruder.

#### **FLAKE FEEDER**

Used to feed flakes or chips into the extruder.

#### **REELFEED**

Used to feed off-spec or scrap reels into the extruder, can be used simultaneously with the trim basket.

#### **SUPATRIM - TRIM PULLING NIP**

Used to convey tacky or extensible trims to the extruder.

#### **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.

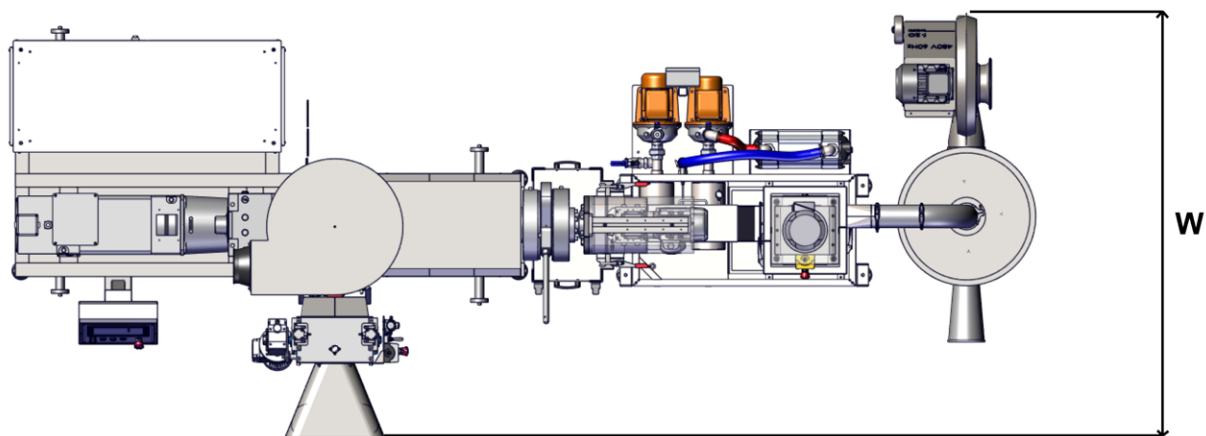
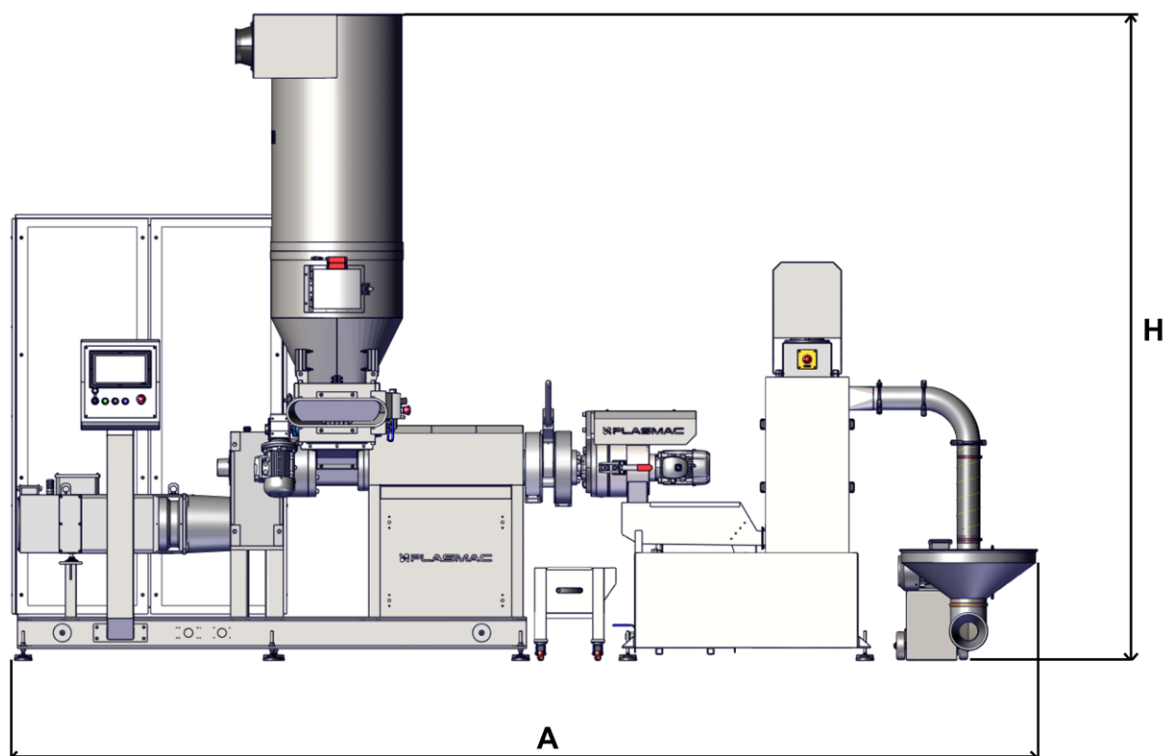
#### **DTEC**

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

#### **ANTISTATIC BAR**

A bar on the top of the Trim Basket to remove static from trims.

## TECHNICAL DATA



MODEL	* Output (Kg/h)	Motor (kW)	Floor Space (m <sup>2</sup> )	A (mm)	W (mm)	H (mm)	** Weight (Kg)
AS - HC	75	15	8	4000	1900	2900	820
AS PLUS - HC	90	19	6	3700	1650	2900	900
AM - HC	130	31	9	4600	1900	2900	1450
AL - HC	160	46	11	5650	1900	2900	1850
AXL - HC	200	120	23	8900	2650	2900	3450
A PLUS - HC	300/350	120	35.5	9642	3656	4750	8000

\* Depends on the type and the format of the material; \*\* Depends on the installed accessories.

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