

POLYSTYRENE CRUSHER-COMPACTOR POLY-4000

Polystyrene, if only shredded, cannot be used for cushioning (too many small statically charged balls that stick everywhere). Moreover, shredding alone does not offer any volume reduction.

On the other hand, it is possible to compact it into a "brick" with the POLY-4000 in order to gain volume and facilitate its recycling.

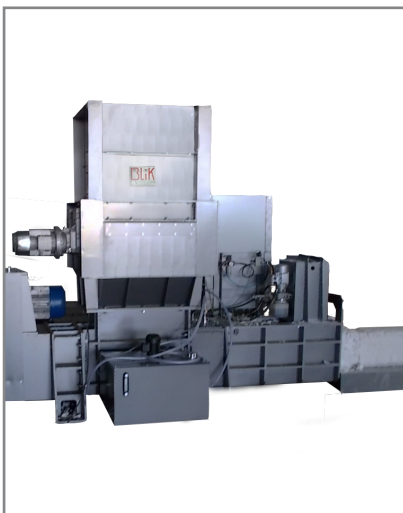
The POLY-4000 is a shredder-compactor that can process large quantities of expanded and extruded polystyrene.

This machine has been designed for polystyrene packaging of all types and densities, from fish boxes to household packaging like fridges or TV.



**Reduction of
volume by 30**

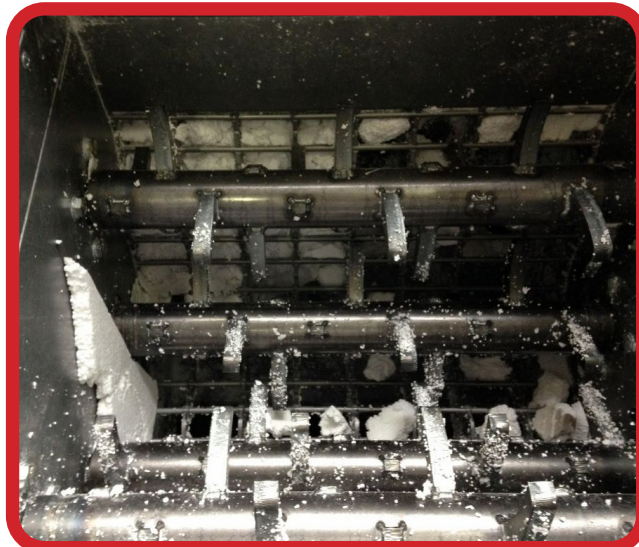
- Accepts all types of polystyrene (expanded, extruded, etc.)
- Can process 27m³ of packaging per hour
- Heavy duty 4 shaft shredder with calibration screen
- Liquid cooling system to prevent heating of the compaction channel
- Designed and manufactured in France, 1 year parts warranty



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The POLY-4000 includes a 4-shaft shredder with calibration screen. Specially designed to easily pick up bulky and light products, our robust 6kW shredder ensures that your packaging is processed quickly and the screen helps to homogenise the result, which optimises the compaction of the material.

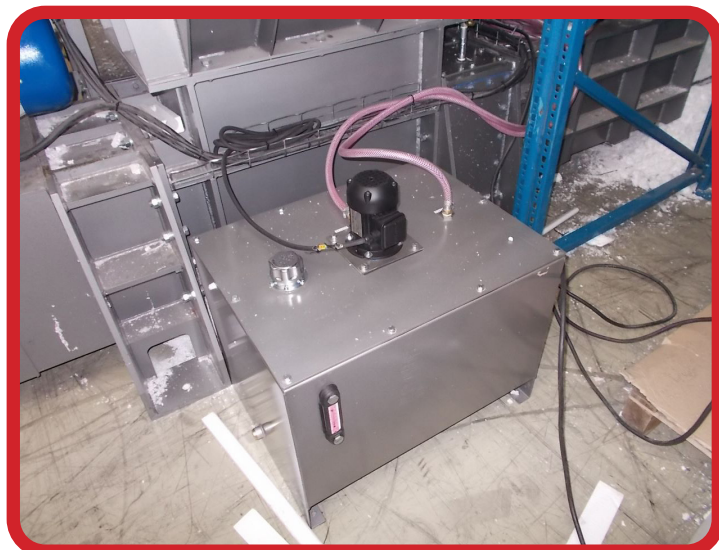
- Specially designed for easy gripping of bulky products.
- 4 shafts with calibration screen
- 6kW to ensure fast processing of the material.



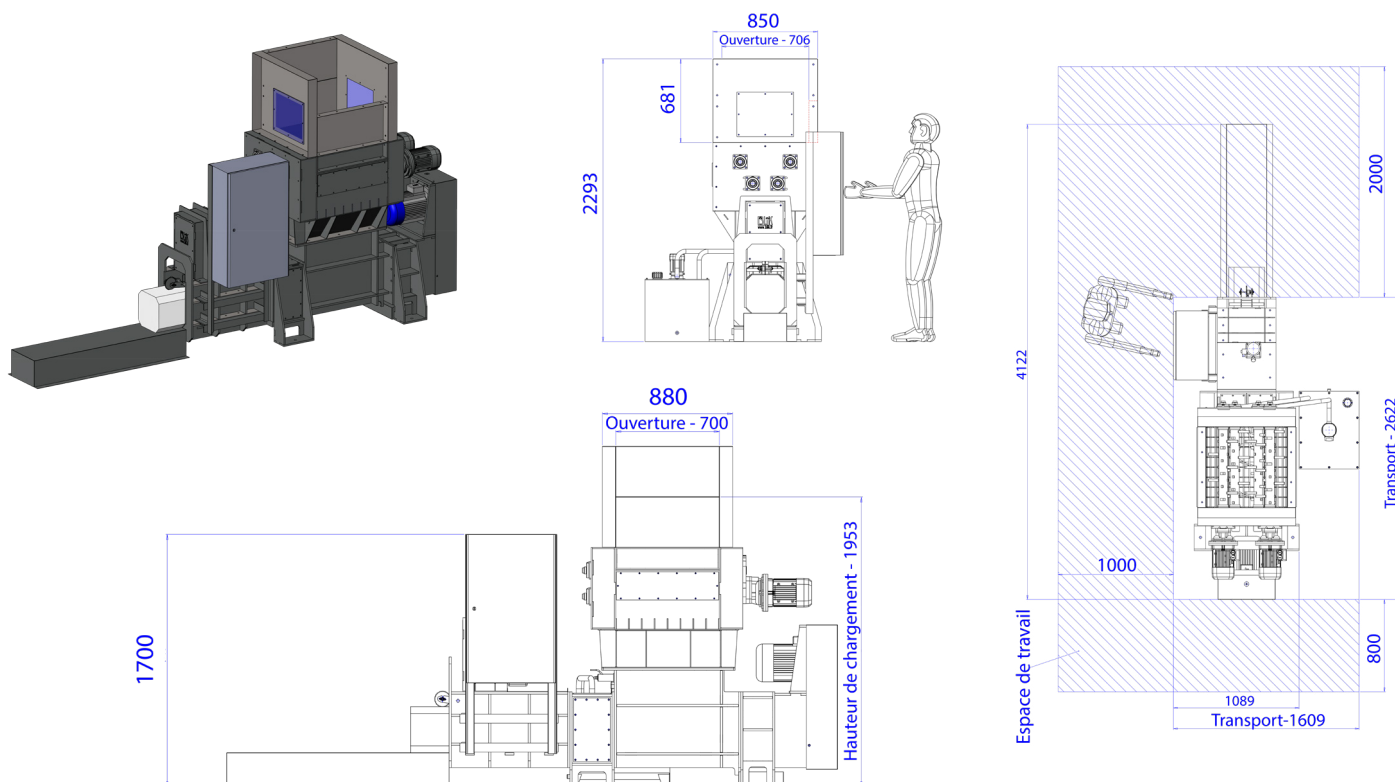
Once shredded, the polystyrene is heated and compacted by a screw.

However, it is important that the compaction channel does not exceed a certain temperature, otherwise the polystyrene melts and blocks the machine. We have therefore included a liquid cooling system and an 80 litre tank.

This allows the POLY-4000 to run continuously throughout the day and to achieve a constant result.



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Type :	POLY-4000
Opening cross-section in mm	700 x 700
Working height in mm	1796 mm
Feed hopper capacity	322 litres
Hourly output by weight	150 kg /h
Hourly volume output	27m3/h
External dimensions overall height (mm) width x depth x height	2771*858*2296
Motor/power supply (3-phase + Neutral) shredder + screw	6 kW + 11kW/400v/50Hz
Density of compacted polystyrene	environ 300 kg / M3
Section of compacted bread	300*300 mm
Pump motor	0,18 kw
Weight	approximately 2000kg

Clamping of the compaction channel by cylinder and hydraulic unit controlled by PLC with precise load management water cooling with pump and 80 litre tank (closed circuit) adjustable time delay for automatic compactor stop

CE equipment with 1 year parts warranty