



PALLMANN PRESS RELEASE

Trade Press

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Useful preparation of post-consumer thermoplastic film waste

Almost any thermoplastic and pre-cleaned waste material, especially from PET-bottles, packaging- and agricultural film can be processed, respectively agglomerated with the PFV-PC. Worldwide, the amount of so-called post-consumer waste from plastic film, - packaging and – fibers is constantly increasing. In the future it is important to protect the necessary, however limited material resources which are required for the production of these products. In order to achieve this, it is only logical to recycle these types of material so they can be reintroduced into the recycling process.

For this application, Pallmann has a suitable system, the Plast-Agglomerator, type PFV-PC.

The Plast-Agglomerator PFV-PC is able to process pre-cut and pre-cleaned thermoplastic materials with an initial moisture content of up to 10%. The feed material is cleaned in a plastic washing system and afterwards directly introduced into the Agglomerator via a screw press or a centrifuge. They reduce the moisture content of the material to less than 10%. Therefore a cost-intensive upstream thermal drying process is not necessary. The result is a reduction of investment- and operating costs for the system technology.

The actual process of agglomerate production is performed below the material melting point by means of frictional heat.

Therefore there is no thermal damage and the valuable properties of the feed material are preserved to the greatest possible extent. The end product can be further processed across a range of applications. The performance of the agglomerator can be further augmented by an upstream thermal drying step. Thus throughput rates of much more than 1000 kg/h are achieved with a power consumption of the motor of less than 200 kW. The machine convinces with its compact design and its user friendliness.

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The PALLMANN Group

Founded in 1903 as an engineering works, Pallmann is a medium-sized family-owned enterprise that has a history covering seven generations of millers and millwrights. Now a global company, the PALLMANN Group has specialized in size reduction and processing technology in various sectors. With over 100.000 installations worldwide and more than 1000 machine types in what is the world's largest range of size reduction equipment for all materials ranging from soft to medium-hard, brittle to tough, as well as fibrous products.

Pallmann group has one of the world's largest test facility where customer can send your material to ensure the correct solution is used for their needs.

Worldwide, the group employs around 600 experienced and highly qualified staff. Its own engineering works, subsidiaries, contract grinding and sales offices in Europe, North and South America, Asia and China ensure the best service, expert advice and support in planning, installation, commissioning of plant and equipment, and supply of spare parts.

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