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Piovan develops new range of high quality recycling machines

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Piovan has redeveloped its range of granulators for the plastics industry and has launched a new range of small, medium and large granulators, characterised by innovative technical and design-based features.



A Piovan single Shaft Shredder

In this way, Piovan says high production capacities are achieved using smaller motors, with the additional benefit of minimising dust production and heat generation. These features ensure a more regular cut and more dimensionally consistent regrind.

Without a cutting chamber of this quality, the regrind, in addition to being irregular, will also have a higher dust content and will therefore be more difficult to process. The cutting chamber is made from machined pieces, which are then assembled rather than being cast or welded. This design has enabled the construction of high-precision components that improve the efficiency of the cut and the quality of the ground product, while improving the life of the granulator, as worn pieces can be replaced.

Another distinctive feature of Piovan granulators, says the company, is the ability to customise. Even the most basic versions can be modified to suit the specific needs of the process (e.g. blow moulding, extrusion, injection) and to comply with specific customer requests in terms of space, granulator loading and unloading requirements and protection of the operating environment - these machines also guarantee extremely low noise levels.

Last year, at Fakuma, Piovan presented its N35-60, a machine encompassing all of the

characteristics described above, in addition to featuring a 90° adjustable hopper for four loading positions, ensuring that if fed by conveyor belt, the direction of the belt can always suit the granulator hopper inlet. Maintenance is therefore simplified and less operating space is required.

N35-60 is part of a family of three granulators designed specifically to process large pieces or such as injection moulded food containers, large bottles or cans (blow moulding), tanks, bins, gardening products, toys (rotational moulding process). These objects are normally quite large and light and can therefore bounce and be difficult to cut.

Piovan granulators are also fitted with energy efficient electrical and control systems: the entire transmission system has in fact been revised to achieve effective energy savings when used 24/7. Piovan says the new range guarantees energy savings between 15 and 35 percent depending on the application.



Piovan Granulator