



Micro pellets

High bulk density for exact, trouble-free dosing



Your systems supplier for all pellet shapes

Spherical and cylindrical micro pellets

Micro pellets – meaning pellets with dimensions less than 1.0 mm – are increasingly gaining in market significance because of the many advantages they offer over powder or standard-sized pellets. They may be used for a wide range of applications, such as for compounding and masterbatches, packaging, micro injection molding, rotational molding, and surface blasting. Micro pelletizing works particularly well for unfilled plastics with a low melting point and medium to high viscosity, e. g. PE, PS, PP, TPE and TPU.

Automatik Plastics Machinery offers two product lines for producing micro pellets: the SPHERO® underwater pelletizing system and the WSG dry cut strand pelletizing system. Both systems support the production of micro pellets < 0.5 mm.

In the case of underwater pelletizing, specially produced die plates with fine die holes arranged in clusters are used together with ultrafine-meshed drying sleeves to produce spherical micro pellets. The SPHERO® product line is available in a range of different sizes, providing operating throughput capacities of up to 450 kg/h for 0.5 mm pellets or up to 1,500 kg/h for 1.0 mm pellets.

As an alternative to this, cylindrical micro pellets may be efficiently produced with the WSG dry cut strand pelletizing system specially equipped with sophisticated, high-precision components such as a cutting rotor with up to 120 teeth. The operating throughput of these WSG systems ranges up to 350 kg/h for 0.5 mm pellets or up to 800 kg/h for 1.0 mm pellets.

YOUR BENEFITS:

- Free-flowing, dust-free, uniform micro pellets with either a spherical or cylindrical shape
- High bulk density for exact and trouble-free control of dosing
- Existing SPHERO® and WSG pelletizing equipment can be readily converted

Automatik Plastics Machinery offers its customers a comprehensive range of state-of-the-art pelletizing equipment which is particularly well suited for micro pellets, as well as a superb testing and development laboratory. This puts Automatik specialists in the unique position to provide neutral advice on the best cost-effective solution, without bias towards any one technology.



SPHERO® 30-1
underwater pelletizing system



Spherical and cylindrical micro pellets



WSG dry cut strand pelletizing system

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