



# COMPACTION SETS NEW STANDARDS

*The Alpine GMS product line for pelleting.*



**HOSOKAWA ALPINE**

Process technologies for tomorrow.

# THE ALPINE GMS PELLETISER AT A GLANCE

The main area of application for the Alpine GMS pelletiser is the processing into pellets of pre-crushed polymer flakes that are difficult to dose. The feed material is pressed through the nozzles of two counter-rotating rollers in order to produce the pellets. In contrast to conventional reclaim processes, the feed material is not completely melted in this process. Only the outermost layer melts as the result of mechanical abrasion against the nozzle wall,

whereas the inside of the resultant pellets is highly compacted. This brings significant energy savings and exerts less mechanical stress on the polymer chains.

A vertical compactor screw that guarantees optimum product feed to the two rollers is used to dose the feed material automatically to the GMS pelletiser. In the case of heterogeneous feed materials, the compressive force control

permits rapid adjustment to the product in question. Adjustable scraper knives in the rollers mean that the length of the pellets being produced can be adapted to suit individual requirements.

The result is cylindrical pellets which are dimensionally stable, easy to store and easy to dose, and which can then be returned to the main process.

## TECHNICAL FACTS

<i>Compactor</i>	<i>GMS 400/300</i>
<i>Motor output (kW)</i>	75
<i>Roller width (mm)</i>	300
<i>Roller diameter (mm)</i>	400
<i>Throughput rate (kg/h)</i>	approx. 400-500 kg/h (related to BOPET film)



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