

Micro-batching for additives

A micro-batch feeder for additive metering has been recently installed by WamGroup in a polyolefin re-granulating plant of a French company. In fact, to produce materials having different performances and characteristics, before re-granulation different types of polyolefin flakes are enriched with organic fillers, such as talcum and calcium carbonate in different particle sizes and percentage combinations. With the aim of maximizing flexibility, precision and efficiency of the operation, the customer's requirement was to move from manual dosing to a continuous automatic process. The solution was to install on the extruder an MBF micro-batch feeder specifically desi-

gned for continuous powder feeding, one of the range of equipment for bulk solids handling in plastics processing. The device fulfils all the requirements in terms of performance, reliability and operating features. With the same unit the user can feed single materials

or blended compounds thanks to great machine flexibility and comfortable access to its internal components which makes material change easy.

The selected configuration includes a blending tool that keeps the material constantly fluid during feeding. The geometry of the casing ensures minimum material residue inside the machine. The removable front panel allows for quick inspection and cleaning.

Installation of the micro-batch feeder has helped industrialise and automate the additive metering process before re-granulation providing the following results: reduction in production costs (-7%), precision in volumetric feeding (-2%), reduction in material storage (-6%), reduction in dust emission (-70%) with increased work safety for the operators.



WAMGROUP

www.wamgroup.com

ANIONIC CASTING PROCESS

The production system provided starts from liquid caprolactam at 120° C to obtain about 250 semi-finished items of different sizes for a total of 6.000 kg pieces of nylon PAB produced per day.



KOMPO PRESSES

Terenzio presses for 300-3000 tons compounds (SMC-GMT) with or without active/volumetric parallelism control system.



LEONARDO

Fully automated rotational moulding machinery

- The space necessary for the operation is definitely low when compared to a classic carousel machine.
- The heating and cooling are applied directly in a strictly limited area on the surface of the mould.
- Automatic opening and closing of the mould.
- The raw material is automatically introduced into the mould.
- Automatic demoulding of the piece.



innovation & tradition
a perfect combination

The Persico Engineering Division was created to provide a complete service to the customer with the objective to achieve full automation, initially dedicated to the automotive sector (Finishing machines, Die Cutting Machines, Automatic Lines), later developed for the rotational one as well and now automation at 360° (ex. automated assembly of fibreglass for vessels construction).

PERSICO
ENGINEERING DIVISION

mould and equipment for plastics technology

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