

## Modular Dosing Unit

An analysis on the treatment of masterbatch and on the dehumidification of pigments and additives was completed in July 2005. The study was encouraged by the high performance levels of the new DRY AIR, the smallest double-tower dryer currently on the market. In order to be processed, natural polymers need to have a very low percentage of residual humidity so that the end product can meet the necessary high European standards. However, the humidity contained in the masterbatch is not often taken into consideration, even though it can be higher than 2%. If this is not treated, the transformation of technical polymers becomes less efficient. DRY AIR is particularly indicated for this purpose because of its small dimensions and, above all, because it ensures a constant quality in the production process. Even though the temperature used in the dehumidification of masterbatch is lower than the temperature required by natural materials, DRY AIR can reach up to 180°C and treat both materials. Starting from this premise, new dosing systems for the treatment of very hot materials, up to 180°C such as PET, and for a number of components up to four have become necessary. That is why Moretto designed a new modular dosing unit, DVM 18 H, with up to four dosing stations that can treat different components separately. This machine can dose granules such as chips, masterbatch or additives at high temperatures with no need of water to cool it down. In this unit, completely made of stainless steel, air serves as insulator and limits heat dispersion. Like all DVM machines, DVM 18 H has the direct setting of the percentage and can store up to 100 recipes.

Spotlight

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**INFORMATION**

**No. 69**



**18**

Volume 7, Number 6

plastic product  
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