

▶ ANCILLARY EQUIPMENT ◀

DOUBLE-TOWER DEHUMIDIFYING DRYER

This year Moretto Plastics Automations is glad to take part in three important exhibitions, where solutions based on innovation will be presented: Fakuma in Friedrichshafen, Germany (Hall B1, stand 8109), Europlast in Paris (Hall 6/H, stand 87) and Equiplast in Barcelona (Hall 1, stand B359).

As far as dosage is concerned, Moretto will exhibit DVP (Pulsed Volumetric Dosing Unit), an exclusive dosing unit which can treat up to four components, particularly indicated for the application on low-tonnage moulding machines and when it is necessary to dose the master directly onto the machine and to prepare blends with direct recovery of the regrind material. This new unit has been designed keeping in mind the technology used in

gravimetric dosage. As a matter of fact, this machine uses the "double-lid" mechanism as well as an exclusive pulsed rotor. DVP has a base made of Pyrex glass; therefore, it is possible to visualize the prepared blend at all times. The electronic control, which manages the data in thousandths of a second, completes the unit and ensures a precision similar to that performed by the most sophisticated gravimetric dosing units. Moreover, in case of complex systems, DVP pulsed microdoser can be used together with Moretto's MOWIS supervising system. Thanks to the easiness of use, precision and competitive costs, a number of installations have already been completed with extreme satisfaction.

Moreover, Fakuma will be the launching pad for a new series of CRC frames, which have been redesigned for a higher industrialization, maintaining however the concept of modularity and widening their range of applications.



Still, the most significant innovation for this product is AMS (Air Management Systems), a system which allows a complete centralized management of the airflow in the hoppers. Enhanced with ADS (Automatic Distribution System), VASS (Anti-stress valves) and VCS (compensating valves), multi-hopper frames become flexible, precise

and energy-effective units. Special attention must be paid to ADS, Automatic Distribution System, a new system designed for the distribution of technological air in the hoppers. ADS is an automatic distributor of the airflow in multi-hopper dehumidification systems and, together with the anti-stress and compensating valves, it is able to equally distribute the air according to the real use. Moretto Plastics Automations has developed a system controlling both temperature and pressure of each hopper thanks to the synchronization of special valves. The systems measures the quantity of air going to each hopper and adjusts the delivery valves so as to maintain the set values. The systems is completed by the Vass anti-stress valves, which constantly control the granules and prevent their spoiling, avoiding over-time treatment, saving energy and guaranteeing a constant quality of the end product.

At Fakuma Moretto will also

show Dry Air, the smallest double-tower dehumidifying dryer on the market, particularly indicated for the treatment of technical materials on low-tonnage moulding machines. Confident in the success obtained during last season, Dry Air, the dehumidifying dryer working with compressed air, will try to exceed itself with a new design and even more performing characteristics. Thanks to the high performances of the new Dry Air, it has been possible to carry out precise functional tests on different materials, such as masterbatch. With this unit, productivity can be adapted according to the requirements, thus protecting the polymers. Its efficiency is extremely high, with Dew Point values of -55°C and constant production, a most valued characteristic in the world of plastics. Moretto PA will also be displaying DVM 18H, a dosing unit conceived for high temperatures with up to four stations, able to treat different components separately.