

Munters technology provides cost effective, efficient plastics drying.

Munters is providing cost effective, efficient plastics drying to the industry with the help of Conair. Munters has an exclusive agreement to provide desiccant wheel cassettes to Conair for placement in their carousel plus dryers. Munters and Conair are also collaborating on continuous development of this product to maintain technical leadership in the field at a competitive cost.

The Carousel Plus™ Dehumidifying Dryer is designed around Munters rotating desiccant wheel technology. It uses Munters GTR advanced rotor technology to achieve dew points of -40°F and lower. The ability to maintain a consistent and constant dew point is necessary for maintaining strength in high-tech resin drying. The dryers are produced to achieve polymer drying rates ranging from 15 to 500 pounds an hour.

Previous generation dryers used desiccant beads in canisters or towers to dry the air. Desiccant beads require more maintenance and are often associated with contamination problems. By using a desiccant wheel, more surface area is exposed to the processing air than with a traditional twin tower or canister desiccant dryer. This can reduce the operating costs by up to 25% when compared to desiccant-bead dryers. The dryer is easier to operate and maintain with the number of major components being reduced by a factor of 10. The Carousel Plus™ dryers are up to 85% lighter than other dryers and have a footprint that is 40 to 60% smaller.

These dryers will provide plastics processors with a more efficient way to achieve steady temperature and dew point levels that are necessary to preserve the quality of the product being manufactured.



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CASE STUDY: Plastics Drying



BENEFITS

- Constant & consistent dew point
- Reduce operating costs
- More efficient processing
- Preserve product quality

