



PELLETIZING SYSTEMS ›

› UNDERWATER PELLETIZING

## Centrifugal dryers

for recycled products



Dryer designs are based on actual product rate testing. Gala has been conducting extensive testing on our centrifugal dryers at full production rates since early 2007.

### Your benefits

- Door timed interlocks
- Easy access
- FEA designed
- Clean operation
- Low noise emissions
- Low energy consumption
- Suitable for various applications
- Minimum floor space
- Proven reliability

# Centrifugal dryers for recycled products

## Pellet processing systems for the plastics industry



PP regrind



PET bottle flake



HDPE flake



HDPE milk jugs

### How the centrifugal dryer works

The product and residual water flow into the rotor section of the dryer. Both the speed of rotation and design of lifters mounted to the rotor cause the product to ricochet between lifters and screens, while being conveyed by centrifugal action up the dryer rotor in a helical path. The water is separated through the screens and the product is continuously conveyed into the upper section of the dryer, where it is discharged from the product outlet. The drying process reduces the residual moisture; the final moisture level depends on the product. Final drying is achieved in the upper two-thirds of the screen surface and in the product outlet chute of the dryer. Dry countercurrent air flow generated by an external exhaust fan removes most of the residual surface moisture from the product. The exhaust fan produces a slight vacuum which prevents humid air from exiting into the room or condensing in downstream equipment components. In some cases additional post-drying may be utilized depending on the required surface moisture.

### Solid rotor

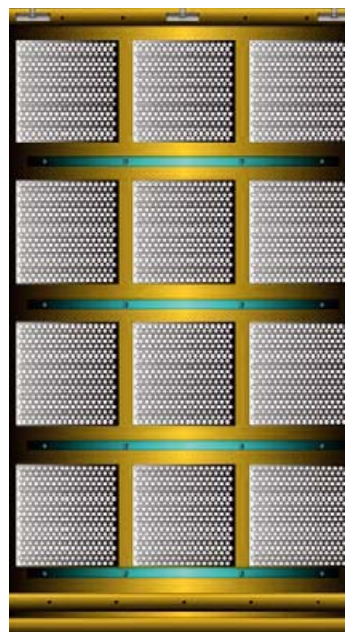
- Stronger construction
- Can be run at higher rotor speeds
- Features a one-piece solid shaft for easy replacement
- Improved product moisture



Solid rotor

### Deflector screen (patented)

- Minimizes motor amps
- Reduces vibration
- Improved product moisture



Deflector screen

### Auger feed

- Provides consistent product flow into rotor
- Eliminates product surging
- Improved product moisture



Auger feed

### Customer support

Gala's technical centers are available to customers who wish to evaluate the suitability of a Gala dryer for purchase, for assistance in product development, R&D or for product market sampling. Technical field assistance: Gala has earned its reputation for providing prompt, dependable service – before, during and after the sale. Our technicians are longterm, experienced employees who take pride in providing excellent service and each customer call is handled with priority.