

# Turn up the heat with SmartDry™

... the most efficient, reliable and  
simple-to-use Dry Charge ever.

Our new SmartDry dry charge revolutionizes the way negative and positive plates are dried. As a leader in the battery industry, with over 30 years of experience in Dry Charge, Tiegel Manufacturing has earned a reputation for outstanding customer service, and consistently reliable equipment, built to last in a demanding environment. Our engineers strive for improvements and innovative products that will help our customers stay competitive.

## Improved Product Quality

The best battery manufacturers know that the key to dry charge plates is uniformity. SmartDry consistently produces a drier plate, removing moisture down to 0.1%, while cutting PbO content in half, even in areas of high humidity. The increase in free lead available ensures superior negative plate performance. We make this winning combination possible with our unique AutoDry and AutoCool features. AutoDry determines when plates are dry by continuously monitoring the plates while AutoCool ensures that the water temperature leaving the machine is always the same. Low pressure, 85°F (30°C) water for cooling is acceptable, making this machine ideal for high humidity locations.

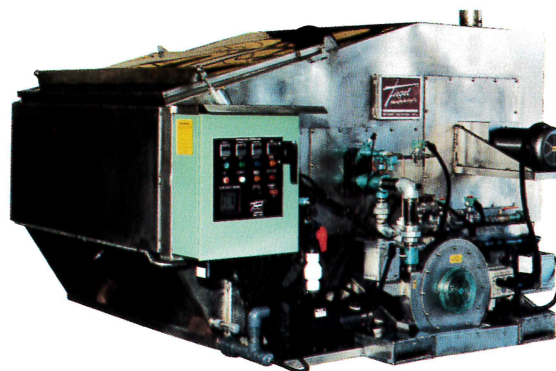
## Dramatic Energy Savings

Field tests prove that SmartDry delivers dramatic energy and production cost savings for all product types. As plate thickness increases, the efficiency of the dryer increases, resulting in astonishing production rates for industrial plates. By utilizing a SmartDrive (variable frequency controller) to control the blower speed, we allow the customer the ability to optimize blower speed for faster drying while maximizing energy savings. SmartDrive offers the customer the choice - slower for a more energy efficient operation, or faster for more product throughput when required.

In addition, by direct driving the main impeller, there are no more pulleys or belts to maintain or adjust. Finally, we are able to dry faster by processing plates at 200°F (94°C) because of more uniform drying conditions and insulated firebox.

## More Maintenance Friendly

- No paint, all fixed parts are constructed of Type 316L stainless steel.
- No re-bricking of oven due to unique insert firebox modules.
- Improved flame and safety features eliminate pressure sensor interlocks needed.
- No moisture problems with new flame rod. No mist eliminator, pulleys or belts to maintain.
- Low-profile, the bottom of basket to clear loading entrance is less than 50" (1.2m) from ground level.



**What else would you  
expect from Tiegel.**

U.S. and international patents pending.

