

## The **ONLY Self-Contained** Nitrogen Dryer Avoids Degradation of Many Resins

(Available May 2018)

The patented *NITROdry*<sup>™</sup> resin dryer provides processors with a new, oxygen-free tool to avoid degradation of nylons, PBT, PLA and TPU's that is the result of prolonged exposure to heat in the presence of oxygen.

This new, self-contained, oxygen-free version is ideal for press-side drying of newly designed polymers with unique properties. These materials can suffer degradation of performance with respect to strength, ductility, color (opaqueness), viscosity, chemical resistance, stiffness and stability due to extended exposure to heat and oxygen.

The Novatec internal membrane removes moisture and oxygen from standard plant compressed air so the process is totally self-contained. The hassle of handling, and the cost of purchasing tanks of nitrogen is eliminated. In addition, there is no danger of pure nitrogen release because the nitrogen is only produced at the rate at which it is needed and is released in a slightly oxygen-rich vent stream.

The *NITROdry* is safe for all resins. Nitrogen at -75°F dew point displaces oxygen and circulates through the drying hopper which means temperatures can be raised by as much as 10-50° F to reduce exposure time.

The Novatec *NITROdry* resin dryer will initially be available in 7, 25 and 50 lb./hr. models.

A 5-YEAR WARRANTY, ensures high product quality and that processors enjoy the Lowest Cost of Ownership!

