



## **Extended Shelf Life Without Preservatives**

- Oxygen reduction creates an inert environment to preserve product freshness
- Maintain bottle shape with lighter weight containers, helps eliminate paneling issues
- Reduce the weight of PET for cost and environmental savings
- Uses measureable and repeatable liquid doses to reduce nitrogen consumption
- Maximize warehouse storage space by increasing product stackability

**Extended Shelf Life  
without Preservatives**

# LIQUID NITROGEN DOSING SYSTEMS



The UltraDoser is the multi-purpose liquid nitrogen (LN<sub>2</sub>) dosing system utilizing advanced cryogenic technology and PLC programming. Chart engineers designed an ultra-efficient system for all line speeds to dispense a precise dose of LN<sub>2</sub> into every container every time. The LN<sub>2</sub> gasifies and is either trapped in the container to add rigidity or escapes with oxygen to insert the headspace.

## Features:

- Compact size enables installation in limited spaces
- Precise dosing delivers consistent, accurate dosing
- Discrete or continuous dosing change over defined by user



## Options:

- SoftDose™ compatible – Chart's proven technology for hot fill, powder, and granular applications
- RemoteDose™ capable – monitor and troubleshoot the system remotely thereby minimizing or eliminating system downtime
- MicroDose™ capable – designed specifically for tight pressure specifications
- IntelliDose™ capable – automatic dose adjustments at any line speed between low/high points as defined by user

## Integrated Solutions:

In addition to inline capping, cap sorting and conveying systems, Pack West Machinery also offers integrated liquid filling solutions with conveyors and complete line controls.

For higher speed applications, Pacific Packaging Machinery provides integrated rotary capping and filling solutions.

Call your sales representative for additional details.