



IN USA, INC.
100 Morse Street, Norwood, MA 02062 USA
TOLL FREE: (1)-800-798-4029
TEL: (1)-781-444-2929 • FAX (1)-781-444-9229
Website: www.inusacorp.com
E-mail: info@inusacorp.com

Ozone Applications

Apple Processing Industry



Since the FDA's approval of ozone as an anti-microbial agent in 2001, ozone sanitation systems supplied by In USA, Inc have been widely accepted as an effective means to improve food safety and quality.

Today, ozone technology is steadily replacing conventional sanitation techniques (i.e. halogenated chemicals, steam, hot water, etc.) and becoming a major player in the sanitation of food and beverages.

Apple Processing

Apple processors face increasing needs to reduce the risk of spoilage from bacteria, molds, and fungi. At the same time they need to conserve water and reduce wastewater disposal costs, particularly the costs associated with high biological oxygen demand (BOD) and suspended solids (SS). Previously, the recirculating flume water used to wash the apples was chlorinated to control microorganisms. It had to be dumped daily, primarily because it accumulated high levels of soil and organics that had been washed off of the apples.

Introducing ozone to treat the flume water that conveys and washes the apples has proven to be (1) a solution in that the ozone treatment reduced the yeast and mold count in the water, resulting in cleaner apples and a longer shelf life and (2) no longer is it necessary to replace flume water. In one particular case, a major apple processor is now able to reuse the same water for a whole week, saving more than 12,000 gal/week (45,000 l/week).

About IN USA, Inc

In USA, Inc, is a leading manufacturer of Ozone (O₃) monitoring and control instrumentation for a wide range of applications and markets.

We offer turnkey ozone delivery systems that are carefully designed to meet the most stringent safety standards while delivering high purity ozone with very low cost of ownership. These systems combine one or more ozone generators and servo-loop control with IN USA's advanced ozone monitoring instrumentation to provide a low-cost solution to meet your application requirements.

In addition to turnkey systems, we offer a complete line of ozone analyzers, monitors, sensors, and controllers for gas- and liquid-phase measurement as well as ozone delivery and destruct systems.



Please feel free to contact us to discuss