



## **Applications, Benefits, & Use**

**Chemicals:** Nitrogen is used as a carrier gas, temperature control and/or catalyst preparation in chemical processes.

**Oil & Gas:** Nitrogen protects (blanketing and inerting) products, facilities, storage tanks and pipelines. It is also used in pipeline purging, cleanouts and leak testing. Nitrogen is used for fracking operations.

**Electronics:** Nitrogen is used as a carrier gas for the protection of impurities and oxidation during the production of semiconductors and welding. Nitrogen is used to chill wafers without contamination after a treatment.

**Metal Fab & Automotive:** Nitrogen is used for heat treatment and laser cutting. Nitrogen-filled tires have an increased lifetime.

**Food:** Liquid nitrogen is used to chill, freeze or control temperature of food products. Nitrogen preserves and protects foods with Modified Atmosphere Packaging (MAP) to minimize oxidation, microorganism growth or package collapse.

**Hospital Care:** Nitrogen is used for

