

NitroJet[®]

Ultra-High Pressure Liquid Nitrogen Technology

Clean surfaces, remove coatings or contamination, and cut various materials.

1 Water Free, Full Dry System:

Eliminates secondary waste, disposal, and cross contamination.

2 Aggressive and Productive Performance:

Due to 700x expansion power of liquid nitrogen when it converts to a gas.

3 No thermal defects, scratches, or damages on the material.

SPECIFICATIONS

- **Operating Pressure:** 5,500-55,000 PSI
- **Operating Temperature:** -260°F
- **Consumption of LN2:** 5 gal/min
- **Maximum Pressure:** 55,000 PSI
- **Skid Dimensions:** 10'L x 4'D x 6'H
- **Skid Weight:** 7,500 lbs.
- **Electric Supply:** 480V, 3 phase, 150kVA

INDUSTRIAL CLEANING

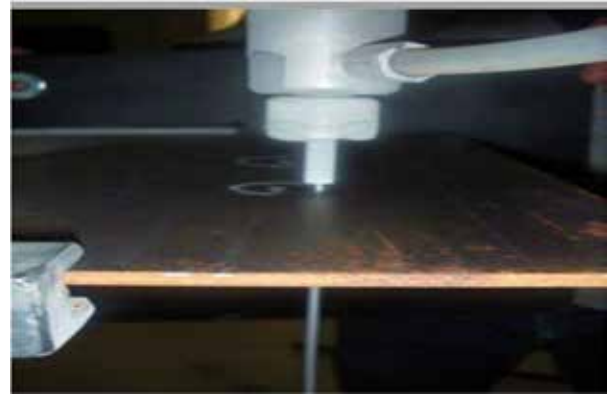
NitroJet®'s powerful stream of liquid nitrogen easily removes even the most challenging materials quickly and with fewer man-hours than traditional manual methods. The system's portability ensures that equipment can be cleaned regardless of its location. As the liquid nitrogen enters solid deposit cracks and crevices, it expands nearly 700 times, causing the deposits to break up from the inside and increasing cleaning rates by up to 300 times over other mechanical cleaning methods.



NitroJet®'s technology performs exceptionally well in tube cleaning applications. Some systems have realized **nearly 20 percent in increased efficiency** over other cleaning methods.

PRECISION CUTTING

NitroJet®'s technology uses liquid nitrogen instead of water, which enables the use of a wider variety of entrainment materials, even those that are water soluble. This gives greater flexibility when cutting hard materials and makes cleanup of water soluble entrainment materials faster and more complete. Adjusting the pressure or end effector/nozzle parameters allows more or less aggressive cutting/removal of materials. IIA offers superior cutting for nearly any material — from soft plastics, food products, and upholstery, to hardened steel, composites, and ceramics. NitroJet® can be used manually or incorporated into a robotics system for automated and repeated cutting.



OTHER APPLICATIONS

- **Nuclear** - Decontamination
- **Marine** - Coating removal
- **Aerospace** - Precision cast turbine blade cleaning
- **Construction** - Paint and coating removal
- **Industrial** - Surface cleaning
- **NDT Inspections** - Surface cleaning and preparation
- **Food** - Sanitary cutting
- **Hazmat** - Asbestos decontamination
- **Manufacturing** - Cutting of composite & rubber materials

Do You Need To Talk To An Expert?

Let us provide your company with all of your plant needs for the future.

Contact us at **979-399-7151** or visit us at **industrial-ia.com**