

Liquid Nitrogen Injector

Techinjector[®] Liquid Nitrogen Injector

The Industry's First Quick Change Liquid Nitrogen Injector

Designed For The User

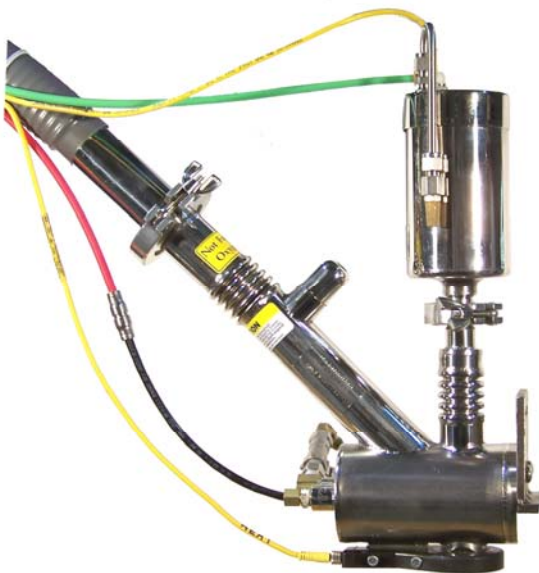
The Techinjector[®] design is based on years of experience in manufacturing liquid nitrogen injectors, offering a set of features unmatched by others:

Less Space On The Line

A compact injector body and a remote mounted control box provides the smallest production line space claim of any injector available

Simplified Product Line Changes

Adjustable at the keypad for different products and sizes



The Techinjector[®] is a very compact 17" (43 cm) tall and 12" (30 cm) wide



Automatic Line Speed Compensation

The Techinjector[®] uses a single sensor design that senses the arrival and departure of each bottle, can, or package; compensating for changes and variation in production line speed

Less Maintenance Downtime

Modular design enables replacement of normal wear parts in minutes with no tools, minimizing expensive production delays

tf technifab
P R O D U C T S
Manufacturers of Cryogenic Equipment
We Know Cryo™

Liquid Nitrogen Injector

Techinjector[®] Features

- Patent pending design provides consistent, accurate dosing over the entire speed range
- Stores up to eight preset programs for quick production line changes
- Uses a single sensor to compensate for both speed and line variations
- Quick and easy to replace injector nozzle reduces setup time and delays
- Remote mounted control panel minimizes line space claim
- Discrete or continuous dosing modes
- Vacuum insulated injector to minimize frost build-up
- Heater at dosing head to eliminate icing
- Nitrogen purge gas at dosing point to eliminate moisture build-up
- Automatic shutdown for bottle /container Jams
- Operates on 110 VAC or 220 VAC
- The Techinjector[®] is RoHS compliant and controls meet NEMA 4X & IP 65 ratings
- Three year limited warranty on vacuum jacketed components, one year on electronics

Techinjector[®] Specifications

Unit Weight:	7.1 lbs (3.2kg)
Control Box Weight:	4 lbs (1.9kg)
Electricity:	90-264 VAC, 47-63 Hz Single phase
Internal Power:	24 VDC
Dosing Head Dimensions:	16.25" x 11" x 3.75" (41cm x 29cm x 9.5cm)
Control Box Dimensions:	9.5" x 6.5" x 4.5" (23cm x 17cm x 11cm)
Gaseous Nitrogen Requirement:	60-100 psig (4-7 BAR)
Liquid Nitrogen Requirement:	22 psig max. (1.5 BAR)
Discrete Dosing Speed:	1200 Containers Per Minute (CPM)
Dosing Range:	0.1-20 g/sec
Dosing Accuracy:	+/- 5%
Dose Timing:	Up to 500 ms in 1 ms intervals
Material:	300 series stainless steel



All Techinjector[®] parts that wear are contained on the Injector actuator, which can be replaced in minutes without complete injector removal

Technifab Products, Incorporated

10339 N. Industrial Park Drive • P.O. Box 315 • Brazil, IN 47834 U.S.A.
812.442.0520 • Fax: 812.442.0891 • sales@technifab.com

www.technifab.com

tf **technifab**
P R O D U C T S
Manufacturers of Cryogenic Equipment
We Know Cryo™