

Technifab's Techinjector

The Industry's First Quick Change Liquid Nitrogen Injector

Designed For The User

The Technifab Techinjector is based on years of manufacturing liquid nitrogen injectors, offering 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 for different product sizes.

Automatic Line Speed Compensation

The Techinjector uses a single sensor design to sense each bottle, can, or package thus compensating for production line changes and variation.



Less Maintenance Downtime

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

Improved PLC Control Interface

Our second generation interface, using an AB1500 Programmable Logic Controller, has a color touch screen to offer easy to use controls and easier production line integration.

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Techinjector Benefits

- Accurate dosing over the entire speed range.
- Stores up to six preset programs for quick production changes.
- Speed and line variation compensation using a single sensor.
- 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.
- Fewer nozzles needed with new liquid nitrogen discharge rate upper head adjustment.
- Vacuum insulated injector minimizes frost build up.
- Dosing head heater to eliminate icing.
- Automatic shutdown for bottle/container jams.
- Nitrogen purge gas at dosing point to eliminate moisture build-up.
- 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.



Upper Injector Head Assembly is easily replaced if ever needed.

Techinjector Specifications

Unit Weight:	7.1 lbs (3.2 kg)
Control Box Weight:	19 lbs (8.6 kg)
Electricity:	90-264 VAC, 47-63 Hz single phase
Dosing Head Dimensions:	16.25" x 11" x 5" (41cm x 29cm x 13cm)
Control Box Dimensions:	15" w x 18" h x 8" d (38cm x 46cm x 20cm)
Gaseous Nitrogen Pressure Requirement:	60-100 psig (4-7 BAR)
Liquid Nitrogen Pressure Requirement:	22-45 psig (1.5-3.1 BAR)
Discrete Dosing Range:	0.1-8 g/sec
Dosing Timing:	Up to 500 ms in 1 ms intervals
Injector Head and Control Box Material:	Stainless Steel

Technifab manufactures and installs vacuum jacketed pipe, transfer hoses, dewars, valves, and other cryogenic equipment. We also provide the industry leading warranty and service to back it up.

Satisfying customers since 1992 because, *We Know Cryo*®.