

Tridak® Filling Equipment

Dymax specializes in the manufacture of bench-top and semi-automated systems for filling cartridges and syringes. Our Tridak® filling systems are easy to use and cost-effective. Entry-level systems like the Model 1000 and 1200 are perfect for laboratories or production facilities that may be currently filling syringes by hand. For higher throughput filling needs, the Model 2200 & Model 3200 combination allows for single operator semi-automated filling and sealing. These systems offer quick, repeatable filling and years of trouble-free service. Our disposable fluid path technology allows for quick change-overs and contaminant-free filling. Single-component and dual-components materials can be packaged in seconds in various mix ratios including 1:1, 2:1, 4:1, 5:1, and 10:1.

Our Application Engineering team is ready to assist you in selecting the perfect system for your operation. Rental programs are available to evaluate units on a short-term basis and minimize up-front investments.



Tridak® Model 1050 Syringe Filler with Disposable Fluid Path Technology

- Utilizes disposable fluid path valve technology which eliminates cross-contamination and minimizes clean-up and downtime during product changeover.
- Nozzle-end filling process with pre-inserted plunger minimizes air entrapment
- Interchangeable filling nozzles manufactured to specific syringe styles
- Accurate and consistent fills each time using an adjustable, positive, mechanical stop
- Easy-to-clean, single piece base design

The Tridak® Model 1050 Syringe Filler is a semi-automated syringe filling machine. This syringe filler is manually loaded and unloaded, making it ideal for low volume production or as an alternative to filling syringes manually.



Tridak® Model 1200 Dual-Component Syringe Filler with Disposable Fluid Path Technology

- Utilizes disposable fluid path valve technology which eliminates cross-contamination and minimizes clean-up and downtime during product changeover
- Compatible with 1-50 mL syringes
- Fills two-component syringes simultaneously with the same or separate materials
- Fill times from 2-6 seconds
- Adjustable fill level, electronically controlled
- Nozzle-end filling process with pre-inserted plunger minimizes air entrapment

The Tridak® Model 1200 Syringe Filler was designed to fill dual-component syringe cartridges with both materials simultaneously. This semi-automated syringe filler is also particularly useful for lower volume production or where frequent material change out is required.



Tridak® Model 2200 Cartridge Filler with Disposable Fluid Path Technology

- Utilizes disposable fluid path valve technology which eliminates cross-contamination and minimizes clean-up and downtime during product changeover
- Fills single- and two-component cartridges and syringes one side at a time to prevent cross contamination
- Adjustable fill speed and fill level with consistent accuracy
- Bottom-up filling process eliminates air entrapment

The Tridak® Model 2200 Cartridge Filling System offers void-free, accurate, and consistent filling of most single- and dual-component cartridges and syringes. This filling machine utilizes a bottom-up filling process combined with a special low-clearance nozzle design to eliminate air entrapment and provide a void-free, accurate fill each time.



Tridak® Model 2400 High-Pressure Filling System

- Dispenses extremely high-viscosity, filled materials
- Includes a forced convection oven to lower material viscosity
- Fills single or multiple syringes, and up to 5 compoules simultaneously
- Solid-state sensing system controls the amount of fill

The Tridak® Model 2400 High-Pressure Filling System accurately fills packages with extremely high-viscosity materials such as dental composites and restoratives. Due to their high content of “filler”, these materials can be hard to dispense and can clog typical filling machines. The high-pressure filler uses a convection oven to lower the viscosity of the material and then routes materials through the system and into the containers using high pressure.



Tridak® Model 3200 Piston Inserter for Syringes & Cartridges

- Eliminates leaks with accurate, consistent piston insertion
- Cycle time of 1-to-3 seconds
- Adjustable piston insertion depth
- Automatic air-bleed system eliminates trapped air
- Automatic guidance and holding system accurately aligns the cartridge and pistons
- Features a dual-hand actuation trigger for operator safety

Tridak® Piston Inserting Machines allow operators to insert pistons into cartridges and syringe barrels accurately and quickly. With an automatic air-bleed system to eliminate trapped air, and the ability to adjust the insertion depth of the pistons, these machines can be used to seal most syringes and cartridges.



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Please note that most dispensing system applications are unique. Dymax does not warrant the fitness of the product for the intended application. Any warranty applicable to the product, its application and use is strictly limited to that contained in Dymax standard Conditions of Sale published on our website. Dymax recommends that any intended application be evaluated and tested by the user to ensure that desired performance criteria are satisfied. Dymax is willing to assist users in their performance testing and evaluation. Data sheets are available for valve controllers or pressure pots upon request. SS003 12/30/2016

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