TRIDAK

Filling Equipment

About Tridak

Tridak 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. 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 team is ready to assist you in selecting the perfect system for your operation. An Equipment Try-and-Buy Program is also available to evaluate units on a short-term basis and minimize up-front investments.

The Tridak® Model 1001 fills syringes, one at a time, quickly and accurately from a material reservoir. It is ideal for low-volume production or as an alternative to filling syringes manually.

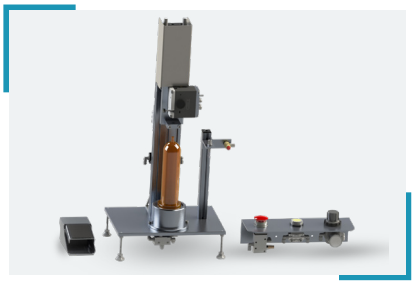
Tridak® Model 1001 Syringe Filler with Disposable Fluid Path Technology

+ Utilizes disposable fluid path valve technology which eliminates cross-contamination and minimizes clean-up and downtime during product changeover.
+ The system's fluid path can be capped and remain attached to the material cartridge for storage & quick material change over
+ No tools required for fluid line installation
+ Automatic adjustable pneumatic stop assures accurate and consistent fills
+ 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 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



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 1060 Syringe and Cartridge FIlling System

+ Utilizes disposable fluid path valve technology which eliminates cross-contamination and minimizes clean-up and downtime during product changeover
+ Dispensing valve features adjustable suck-back for a clean dispense of stringy and tacky materials
+ Accurate and consistent fills each time using an adjustable, positive, mechanical stop
+ Includes a control panel that incorporates an emergency stop switch, material prime switch, and a cylinder pressure regulator
+ Easy-to-clean, single piece base design

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

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 processes with pre-inserted plunger minmizes air

The Tridak® Model 1001 fills syringes, one at a time, quickly and accurately from a material reservoir. It is ideal for low-volume production or as an alternative to filling syringes manually.

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 2400 High-Pressure Filling System accurately fills packages with extremely high-viscosity materials such as dental composites and restoratives.

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
+ Removable cartridge assembly allows materials to be prepared off-line and permits easy storage of materials for future use

Tridak Piston Inserters are ideal to seal most syringes and cartridges, accurately and quickly.

Tridak® Model 3200 Piston Inserter

+ 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 LLC | 860.626.6700 | info@tridak.com

© 2022 Tridak LLC. All rights reserved. All trademarks in this guide, except where noted, are the property of, or used under license by Tridak LLC.

Please note that most filling system applications are unique. Tridak 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 Tridak's standard Conditions of Sale published on our website. Tridak recommends that any intended application be evaluated and tested by the user to ensure that desired performance criteria are satisfied. Tridak is willing to assist users in their performance testing and evaluation. Data sheets are available for pressure pots upon request.

TSS001 10/27/2022

TRIDAK

www.tridak.com