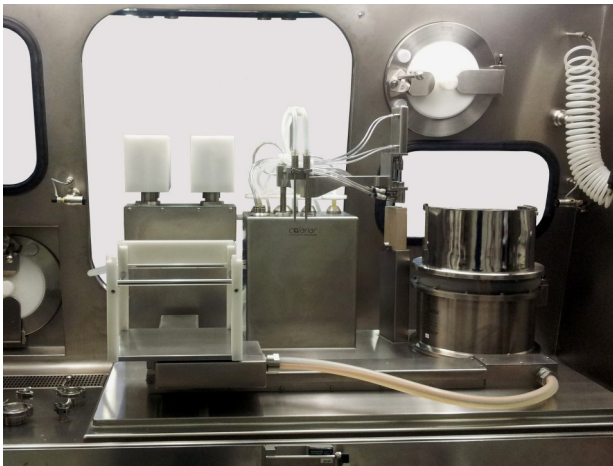




MODULAR SYRINGE, VIAL AND CARTRIDGE FILLING SYSTEM FOR ISOLATORS – FSM

COLANAR is proud to introduce the new isolator version of the popular FSM modular bench top filling system. The modular syringe, vial and cartridge filling system Type FSM has been slightly modified to accommodate isolator applications while retaining all the advantages of the standard model. Both high accuracy rotary piston pumps and peristaltic filling systems for single use applications are available. The touch screen HMI is located on the outside frame of the isolator while vacuum pumps for filling and stoppering are located in the isolator base.



Available Modules

- FSR - Piston Filling Machine
- FSP - Peristaltic Pump
- FSN - Needle Movement Station
- HST - XY Table
- CSS - Stopper Sorting Station
- Syringe Nest Centering Device
- Vacuum Filling & Stoppering
- Vacuum Stopper Insertion Station

Benefits and Features

- Modular filling system for pre-sterilized nested syringes, vials and cartridges in a single unit
- High dosing accuracy of FSR rotary piston pumps or FSP peristaltic pumps
- Bottom-up vacuum filling station
- All stainless steel and plastics exterior
- All movements controlled by Servo drives
- PLC controls for each module and touch screen HMI operation

COLANAR, Inc.

540 Industrial Park Road
Deep River, CT 06417
USA

Phone: 860 322 4100
Fax: 866 910 6310
E-mail: info@colanar.com



MODULAR SYRINGE, VIAL AND CARTRIDGE FILLING SYSTEM FOR ISOLATORS – FSM

Technical Data

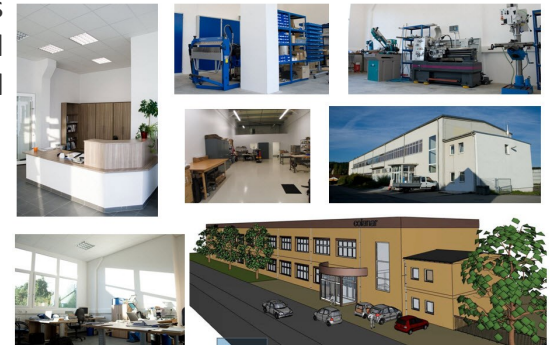
- Output: Up to 20 / min.
- Range: 0.5 ml to 20 ml syringes
2 ml to 20 ml nested vials
1.5 and 3 ml nested cartridges
- Weight: Approx. 100 kg (220 lbs)
- Finish: Stainless steel and plastics
- Dimensions: 1340 mm x 550 mm x 800 mm



COLANAR specializes in advanced liquid filling systems and automated handling systems for Pharma and Biotech applications. With facilities in both Europe and North America we service a global customer base. We are dedicated to provide new and innovative solutions to our customers in the Life Science industries, both in our product offerings as well as our consulting and engineering services. COLANAR's special focus is on single use liquid filling systems and clinical and small scale syringe and vial filling equipment.

Our product offerings include:

- Extremely precise Rotary Piston Pump Filling Systems
- Advanced stainless steel Peristaltic Pumps
- Automated standalone syringe and vial filling machines
- Fully automated robotic autoclave loading systems
- Robotic Pharma filling systems for nested vials and syringes in isolator applications
- Bench top syringe filling systems for BD SCF Hypac® syringe nests
- Single use tubing assemblies, incl. surge bags, sterile connectors, pump tubing, and filling needles



COLANAR, Inc.

540 Industrial Park Road
Deep River, CT 06417
U.S.A.
Phone: +1 860 322 4100
Fax: +1 866 910 6310
Email: info@colanar.com

COLANAR GmbH

Carl-v.-Ossietzky-Str. 32
07607 Eisenberg
Germany
Phone: +49 (36691) 242400
Fax: +49 (36691) 242401
Email: info@colanar.de