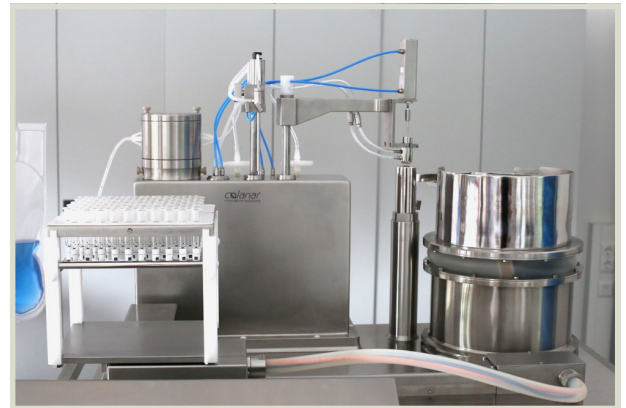




## SYRINGE, VIAL AND CARTRIDGE FILLING SYSTEM FSM

COLANAR, a global leader in high accuracy Pharmaceutical filling equipment, introduces the FSM bench top filling system. This system has been developed for the filling and stopper placement for pre-sterilized nested vials, syringes and cartridges. The FSM is suitable for clinical trials and small batches where flexibility, high accuracies, and short change over times are essential. Both high accuracy rotary piston pumps and peristaltic filling systems for single use applications are available. Each module features a state of the art control system including touch screen HMI, PLC, and servo drives.



### Available Options

- Syringe, Vial, Cartridge or Combination Models
- Rotary Piston Pump
- Peristaltic Pump
- Vacuum Filling
- Vacuum Stopper Insertion



### Benefits and Features

- 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
- Sturdy and reliable all stainless steel construction
- Easy to clean, sealed exterior

COLANAR, Inc.

540 Industrial Park Road  
Deep River, CT 06417  
USA

Phone: 860 322 4100  
Fax: 866 910 6310  
E-mail: [info@colanar.com](mailto:info@colanar.com)



## SYRINGE, VIAL AND CARTRIDGE FILLING SYSTEM FSM

### Technical Data

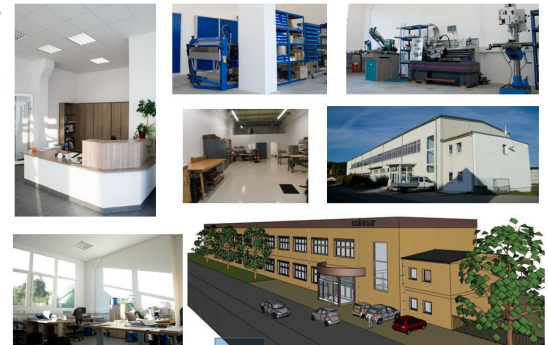
- Output: Up to 20 / min.
- Range: 0.5 ml to 20 ml syringes  
2 ml to 20 ml nested vials  
1.5 and 3 ml nested cartridges
- Weight: Approx. 100 kg (220 lbs)
- Finish: Stainless steel and plastics
- Dimensions: 1340 mm x 550 mm x 800 mm



**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](mailto:info@colanar.com)

#### **COLANAR GmbH**

Carl-v.-Ossietzky-Str. 32  
07607 Eisenberg  
Germany  
Phone: +49 (36691) 242400  
Fax: +49 (36691) 258998  
Email: [info@colanar.de](mailto:info@colanar.de)