FILLING AND CAPPING MONOBLOCK

PHARMLINE
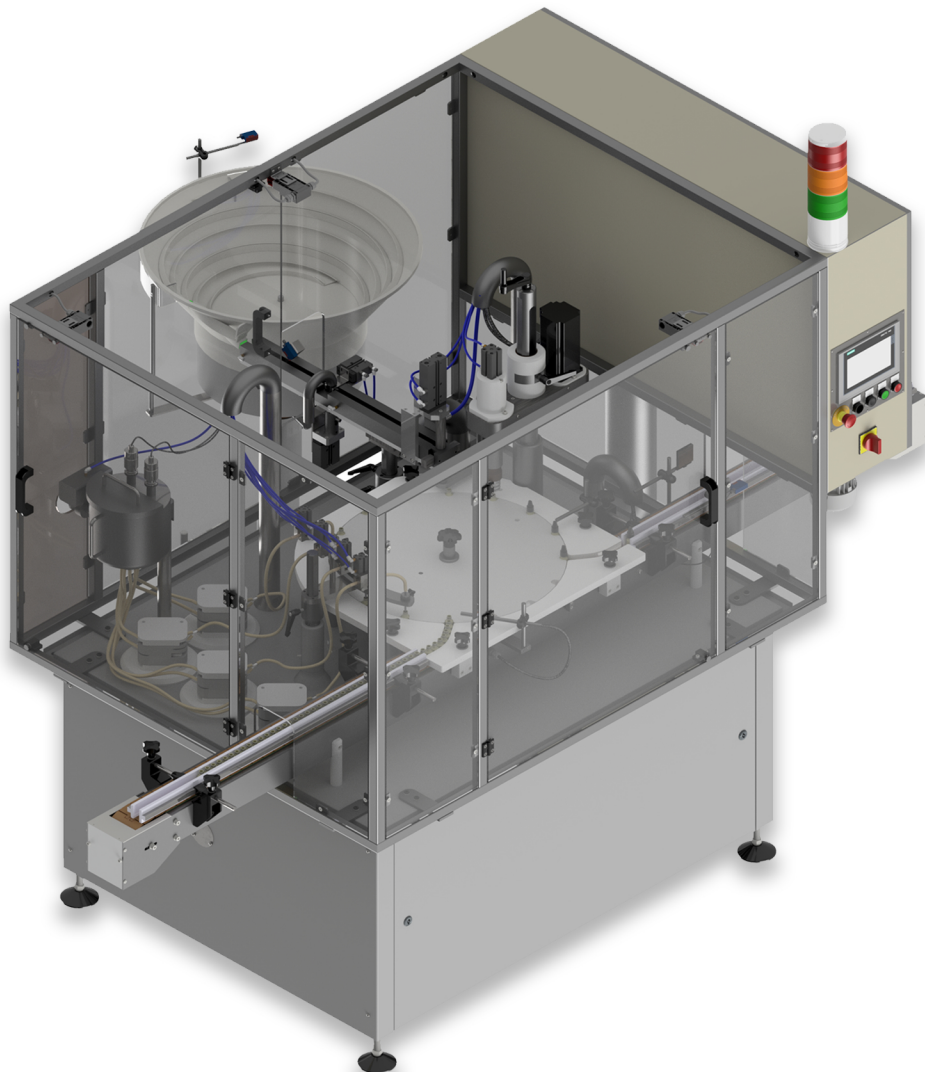
Fillling and capping monoblock model Pharmline is designed for **filling and capping of small and medium size containers** such as **ampoules, vials and plastic bottles.** The machine is dedicated for pharmaceutical and cosmetics industry.
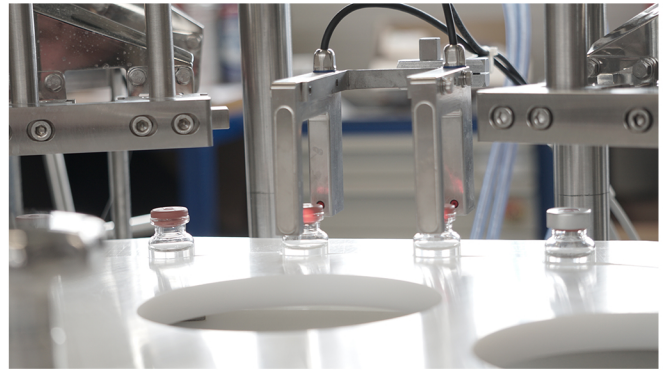
Basic configuration

- Stainless steel machine frame with height adjustable legs
- Motorized conveyor with adjustable speed
- Starwheel for containers transfer between the stations
- Sensor for containers presence detection
- Product tank including product level control
- Filling station with peristaltic pumps or flowmeters
- Closing of the filling nozzles

- Vibrating or rotary caps orientator
- Pick and Place Device
- Capping head with ajdustable torque
- Sensor to detect full downstream conveyor
- Control panel with touch screen
- CE safety guards

Other options

- Caps elevator with hopper
- Product tank heating
- Product tank agitator
- Undercap application station
- Sensor for caps/undercaps presence detection
- Rejector for bottles without cap

- Material certifikates for pharmaceutical industry
- IQ, OQ validation packages
- Laminair box with Hepa filters
- ATEX configuration
- Remote access

Process description

- Empty vials (or other containers) are transported by infeed conveyor to the starwheel. At the entrance vial presence sensor is located. The first station is filling. Machine can be equipped with 1 to 6 filling positions. For filling peristaltic pumps are used. Other types of dosing system are also available (Lobe pumps, flowmeters etc.). Next operation after filling is capping. In standard execution, the machine is equipped with capping device for screw caps that consists of caps feeder, caps chute, pick and place device and capping head. This capping device can be replaced by crimping or other system. Additional capping unit for application of droppers, dosers or rubber stoppers can be added. Filled and closed containers leave the machine on outfeed conveyor.

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