



## **FILLING AND STOPPERING MACHINE FOR NESTED SYRINGES**



# **RSM02-10**

The new ROTA filling and stoppering machine for pre-sterilised nested syringes has been developed based upon our many years of experience in the design and manufacture of primary packaging machines for parenterals, as well as thorough analysis of customers expectations in such a machine based on their own experiences.

The RSM series incorporates state of the art servomotor technologies to guarantee among others a gentle transport of the syringe nester from and into the tubs, their precise placement onto the Scara platform to ensure a problem free filling needles deep-in, and precise filling, rubber stopper insertion and placement into the filled syringe.





Beside all relevant criteria to make the machine being in compliance with cGMP regulations, the design of the RSM series guarantees a perfect laminar air flow path over each machine working area, starting from the tub opening place, through the filling area, and ending at the filled and closed syringes nester placement into tub.

### **Highlights at a glance**

- cGMP-Compliant compact construction
- Compact foot print
- Fully automated nester transportation through the machine
- Ease of operation and settings through a colour touch screen HMI
- Optimum access to all areas for cleaning and maintenance purposes
- High accuracy filling
- Quick change-over time
- Integrated electrical cabinet



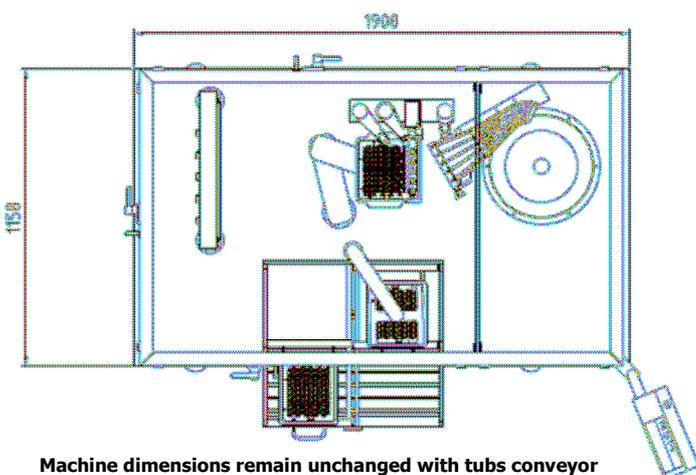
**RSM with open RABS and tubs conveyor system**

### **Standard equipment**

- Product range: Syringes 0,5 – 20 ml ISO 11040-4
- Up to five filling stations. Dosing by means of sanitary rotary piston pumps made of stainless steel 1.4404 or ceramic.  
Filling ranges: 0,2-2 ml / 1-5 ml / 2-10 ml / 6-30 ml
- Output up to:  
2 filling pumps: 4.900/h  
5 filling pumps: 11.500/h  
10 filling pumps: 22.000/h
- Hand placement of tubs into the machine
- PLC Elau CoDeSys
- 5.7" colour touch screen operator interface
- Automated nester pick and place arm
- Automated Scara system for nester at filling station
- Interlocking safety cabinet
- Change parts set for one syringe size
- Product contact parts stainless steel 1.4404 or FDA approved silicone

### **Typical options**

- In-line transport of tubs through conveyor system
- Stopper presence control in stopper reversing plate
- Stopper presence control in syringe
- Inert gas flushing during filling
- Inert gas supply deficiency control
- Laminar flow hood
- Open or closed RABS
- Batch protocol printer.
- 21CFR Part 11 compliant industrial PC
- Further options on request



**Machine dimensions remain unchanged with tubs conveyor system**