

Standard range

Rotary washing machine, RA-RC

Key features

- Capacity up to 24,000 pcs/h
- 2R-100H vial range, 1-10 ml ampoules, 1-3 ml cartridges
- Quick changeover

Depyrogenation tunnel, ST

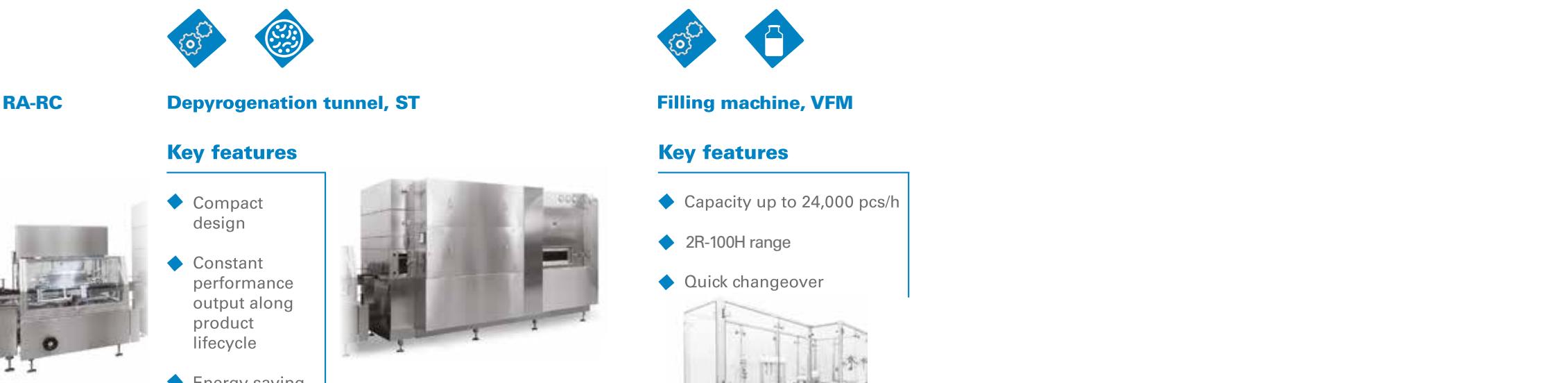
Key features

- Compact design
- Constant performance output along product lifecycle
- Energy saving

Filling machine, VFM

Key features

- Capacity up to 24,000 pcs/h
- 2R-100H range
- Quick changeover



Capping machine, VCM

Key features

- Capacity up to 24,000 pcs/h
- 2R-100H range
- Quick changeover

External decontamination machine, EDM

Key features

- Capacity up to 48,000 pcs/h
- 2R-100H vial range, 1-10 ml ampoules, 1-3 ml cartridges
- Quick changeover

Ancillary equipment

- De-bagger
- De-lidder
- De-liner
- De-nester
- Tray loader



Product portfolio

ASEPTIC PROCESSING

Machine type	Container	End product	Machine type	Container	End product
STANDARD RANGE					
Rotary washing machine RA-RC	vials - ampoules - cartridges	liquid - dry powder	Containment isolator	vials - ampoules - cartridges	liquid - dry powder
Depyrogenation tunnel ST	vials - ampoules - cartridges	liquid - dry powder	Containment isolator	vials - ampoules - cartridges	liquid - dry powder
Filling machine VFM	vials - syringes	liquid - dry powder	Containment isolator	vials - ampoules - cartridges	liquid - dry powder
Capping machine VCM	vials	liquid - dry powder	Containment isolator	vials - syringes	liquid - dry powder
External decontamination machine EDM	vials - ampoules - cartridges	liquid - dry powder	Containment isolator	vials - syringes	liquid - dry powder
ROBOTIC RANGE					
Vial filling machine RV-FM	vials	liquid - dry powder	Intelligent compounding system	syringes - vials - bags - bottles - elastomeric insertors	liquid
Vial capping machine RV-CM	vials	liquid - dry powder			
External decontamination machine EDM-RHP	vials	liquid - dry powder			
Tray loader RTL	vials - cartridges	liquid - dry powder			
Decontamination system TDOS2	tubs	liquid - dry powder			
Net filling machine RN-FM	vials - cartridges - syringes	liquid - dry powder			

Customer service

After-sales service

Includes all the activities needed to fix a technical problem in the shortest time possible, from registering the request sent by the client to coordinating the different teams to be involved in solving the problem.

Machine component calibration and setting

With this activity, before the machine's installation, each single component is calibrated and set.

Technical training

Organised training sessions held at the company's HQ in Como, Italy, by our team of experts. Additional follow-up training and information sharing can be completed at the customer's site.

Technical audits

Steriline Customer Services handle requests for technical audits that will be executed by experienced mechanical, software and electrical engineers.

Software services

New technologies allow Steriline software teams (equipped with the appropriate hardware and software) to remotely access customers' machines to diagnosis and fix any problem in short order.

Spares parts

Steriline can offer:

The fastest component supply service.

The highest quality material in the market.

Refurbishing

The possibility of renewing your old Steriline machine line with the latest technology.

Preventive and strategic maintenance

The possibility of renewing your old Steriline machine line with the latest technology.

Pharmaceutical on-site validation/qualification

Accurate planning of validation/qualification procedures.

Personnel training

Steriline engineers support customer learning processes.

Laboratory work



ASEPTIC PROCESSING

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Steriline engineers support customer learning processes.

Product overview



Robotic range

2R-100H vial range, 1-10 ml ampoules, 1-3 ml cartridges

- Vial filling machine, RVFM**
Key features
 - Capacity up to 6,000 pcs/h
 - 2R-200H range
 - Minimum downtime
- Vial capping machine, RVCM**
Key features
 - Capacity up to 6,000 pcs/h
 - 2R-100H range
 - Minimum downtime
- External decontamination machine, EDM-RHP**
Key features
 - Capacity up to 3,000 pcs/h
 - 2R-500ml range
 - Minimum downtime
- Tub decontamination system, RTDS2**
Key features
 - Up to 2 tubs per minute
 - Suitable for all kinds of tubs and also available for trays
 - No format change

Containment and isolation

LAF and oRABS

- Designed to deliver an ISO5 environment
- Suitable for level 5 operator exposure band (=DEB5)
- LED lights
- Standard or polytetrafluoroethylene (=PTFE) filter

Tray loader, RTL

- Capacity up to 36,000 pcs/h
- 2R-100H range
- Quick changeover

In-line RABS and Isolator

- Integrated vapourised H₂O₂ generator
- 2% or less leak rate
- Compliance with cGMP, GMP and 21 CFR Part 11 requirements
- Automatic pressure monitoring and control

Nest filling machine, RNFM

- Capacity up to 18,000 pcs/h
- Range: "all available nests"
- Minimum downtime

Stand-Alone Isolator

- Designed to deliver an ISO5 environment
- Suitable for DEB5
- LED lights
- PTFE filters
- Integrated vapourised H₂O₂ generator
- 2% or less leak rate
- Compliance with cGMP, GMP and 21 CFR Part 11 requirements
- Traceability guaranteed throughout the process via RFID technology

Intelligent compounding system

The intelligent compounding system (ICS) is a fully automated, software-controlled robotic solution, which compounds pharmaceutical medication directly into the appropriate final container within a controlled environment (ISO class 4.8, grade A).

The ICS is for use within the compounding practices, both in hospitals and compounding centres, to prepare injections in accordance with appropriate regulations and to label final products in compliance with good practice requirements.

The ICS is based on isolator technology and includes a bio-decontamination system with vapourised H₂O₂ sterilisation technology; it can therefore be installed in an ISO class 4.8 (grade D) background environment, as per GMP Annex 1.

The ICS can handle both hazardous and non-hazardous medications and is optimised for specific and batch production.

- Sterilising all items with vapourised H₂O₂ prior to starting the compounding cycle
- Calculating conversions between weight and volume on the basis of product and concentration specific gravity data
- Reconstitution of powder drugs with the appropriate fluid
- Diluting liquid drugs to achieve a desired concentration
- Removing excess liquid from i.v. bags and bottles
- Compounding doses into empty containers (syringes, i.v. bags, elastomeric infusers)
- Management of in-process waste

The ICS addresses safety concerns for users as well as for patients:

- Access restricted to authorised personnel only
- No exposure by using isolator technology
- Automated waste management
- No cross-contamination
- Safe identification of all items via a combination of vision systems, barcode readers and RFID technology
- Traceability guaranteed throughout the process via RFID technology