Equipment and solutions for washing and decontamination of animal housing, feeding bottles and fish tanks.

The most comprehensive range in the market designed to meet diverse customer needs.
The most comprehensive range in the market

Steelco washers for lifescience applications are at the forefront of knowledge and research.

Steelco equipment is chosen globally by customers who want the best in ergonomy, safety, productivity, automation, high throughput, usability, reliability, traceability, allergene protection, operator safety, quality design, space - time - water - energy saving capabilities.

Our comprehensive range includes:

- Cabinet washers
- Tunnel washer
- Bedding systems
- Feeding bottle treatment
- Controlled environment

Steelco provides customized product solutions and project management support to fulfill any client needs.

Steelco washing systems provide validated results in standard products and patented technical solutions in customized machines.
AC 7500 - AC 8500
Cage and rack washer range

The Steelco AC 7500 and AC 8500 series cage and rack washers are heavy duty, large capacity, hydro-spray washers specifically designed to support the throughput of medium and large size facilities.

The wide range of solutions available matches any load capacity, dimension and layout configuration need.

- High productivity
- Flexibility in cycle setting
- Low water and energy consumption
- Hinged (AC 7500) or sliding door (AC 8500) models
- Manifold system for trolley docking
- Acquatic tank cycle option

Running cost saving of up to 95% compare to conventional design.

NHP option
Heavy duty, large capacity, hydro-spray washer specifically designed to support the throughput of large animal cages and racks in medium and large size facilities.

The NHP option is equipped as standard with 3 pre heating water tanks and 2 dosing pumps resulting in great flexibility in cycle setting.

Inspection window in the inner side of the door is protected from the load.

Multiple horizontally and vertically mounted oscillating arms equipped with stainless steel spraying nozzles.

Separate wash and rinse circuits

Multistage water filtering system

Manifold system option
Manifold system allows the use of injection washing racks for animal feeding bottles

Chamber sealing for decontamination process

Fully sealed chamber suitable for decontamination purposes:
- Hydrogen peroxide vapour
- Chemical fogging
- Steam sanitization
**AC 1200 - AC 1300 - AC 1400**

Animal feeding bottle, animal cage and fish tank

- Independent washing/rinsing system
- Multistage water filtering system, with self-cleaning filter
- Single door and pass-through versions available
- High capacity cabinet for detergents
- Easy access to service components

**Chamber dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>AC 1200</td>
<td>W 765 x D 900 (970&quot;) x H 1130 mm</td>
</tr>
<tr>
<td>AC 1300</td>
<td>W 1550 x D 730 (890&quot;) x H 1130 mm</td>
</tr>
<tr>
<td>AC 1400</td>
<td>W 1550 x D 900 (970&quot;) x H 1130 mm</td>
</tr>
</tbody>
</table>

*AC 1400 only for double door version*

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**Aquatic Tank Processing**

The specialized version and process to ensure the elimination of any residual biofilm and algae left in aquatic tanks.

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**MITO AC 3500**

Automated tunnel washer

- High productivity
- Multiple chamber modular system for integrated and flexible solutions
- Step or continuous operation versions
- 900mm/35.43", 1100mm/43.31" or 1200mm/47.24" belt width version
- Visual inspection of each chamber
- Suitable for integration with robotic technology
- Water filtering system with easy maintenance

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**Water and energy conservation**

Final rinse water (4) is recycled into pre-rinse (3) and from pre-rinse into pre-wash (1)

**Phase cycle:**

1. pre-wash
2. chemical wash
3. pre-rinse
4. final fresh hot water rinse
5. hot air drying system

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**Tunnel washers**

**Cabinet washers**

**Bedding system**

**Feeding bottle treatment**

**Cabinet washers**

**Water and energy conservation**

Final rinse water (4) is recycled into pre-rinse (3) and from pre-rinse into pre-wash (1)
Bedding system for animal cages

A full range of devices for bedding management, characterized by:
- Ergonomics
- Operator safety
- Allergen containment
- Suitable for multiple bedding types

Steam sterilization autoclaves, Steelco VS L range
new Steelco equipments dedicated to scientific and research laboratories

MITO FB COMBI
Automated feeding bottles washing system

Decapping, emptying, washing, sanitizing, filling and recapping:
all in one solution within the smallest footprint.

- Over 1080 bottles processed per hour
- Fully automated. Compatible with robotic loading and unloading systems
- Compact solution. Less than 4 m² footprint

Washer dimensions (WxDxH)
mm 3400/1150/2450 - inches 133,8/45,3/96,5

MITO PT
automatic pass-through feeding bottle washers

- Fully automatic process
- High productivity up to 30 crates per hour
- Suitable for pass-through applications
- Separate washing and rinsing circuits
- Individual nozzles for full bottle coverage
De-Capper module

Modular concept units for the automatic de-capping or filling and recapping of animal drinking bottles.

- Easy integration into existing washing areas.
- Reduction of repetitive manual actions and handling of heavy loads
- High productivity, up to 60 crates per hour

Re-Capper module

MITO FBS

semiautomatic feeding bottle washer with integrated filling system

All in one bottle treatment solution:

- Patented rotating system for the automatic emptying, washing, rinsing and filling of bottles
- 1x18 bottle crate per cycle
- Independent washing and rinsing system
- Full bottle coverage with individual nozzles
- Easy access to the water filtration system

MITO 2B

semiautomatic feeding bottle washer

- 2x18 bottle crates per cycle
- Easy integration with: loading and unloading tables, ultrasonic cap treatment, filling modules
- Independent washing and rinsing system
- Full bottle coverage with individual nozzles

Water treatment solution for feeding bottles

Filtration unit

for drinking water

High level water filtering system on a wall-mounted structure.

MITO filling module

feeding bottle filling station

Filling module for one or two bottle crates. This module can be manually loaded or automatically conveyed.
The speed and effectiveness of ultrasonic cleaning power.
- **Capacity**: 1 caps crate for each tank.
- **Fully automatic process.**
- **Complete cycle control**: phases, times, chemical dosing, ultrasonic power.
- **Underbench storage for chemicals.**

### Decontamination lock
**Multiple decontamination method chamber**

Steelco decontamination lock is an interlocking door chamber that can be used with multiple decontamination methods.
- **Suitable for any type of existing Vapor Hydrogen Peroxide Generator**
- **Access doors equipped with two independent integral inflatable gaskets, with two separately controlled independent gaskets**
- **Integrated or external gas generators**

### AS 1000
**Air showers**

Steelco Air Shower AS 1000 is designed to remove surface contamination from personnel prior entering a lower level contaminated environment.

Different available configurations with left or right door openings: straight through passage, angle passage left or right, T passage (3 door passage)
Flusher disinfectors
Dental washer disinfectors
Washer disinfectors for central of sterilization departments
Steam sterilizing autoclaves
Laboratory glassware washer disinfectors
Washing and sterilizing systems for lifescience and pharmaceutical applications

Steelco
Miele Group Member

ARES - flexible endoscope automated reprocessing system

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