BOTTLE, CAGE AND RACK WASHERS
BOTTLE, CAGE AND RACK WASHERS
IWT is the ideal partner for the care of your facility and for the optimization of your cleaning workload.

Our constant investment in tooling, technologies, automation, production capability, stock availability, staff recruitment and training, together with the ISO certified quality and environment management systems, are the key-factors of IWT success. Our field of expertise is extensive – from compact in-line bottle washers up to fully integrated and automated solutions for bottles, cages, lids and logistic processing.

IWT portfolio, combined with Tecniplast offer, results in an unique 360° understanding of the needs and challenges typical of modern vivaria. The result is a set of equipment designed to exceed the demands of the most stringent and specific hygienic guidelines, health and safety directives.

In order to make your daily operations even more effective and efficient, all our washers are completed by purposely-engineered accessories such as crates, carts, transport trolleys and presentation racks.

Explore IWT complete range of solutions for your washing needs: our offer includes bottle, cage and rack washers with different outputs, to meet your facility requirements.

INDEX

5 CAGE & RACK WASHERS
7  •  ATLANTIS EASY
8  •  ATLANTIS EVO
9  •  ATLANTIS EVO XL

11 CABINET WASHERS
12  •  EASY 400
12  •  CALYPSO
13  •  OCEANUS

15 TUNNEL WASHERS
17  •  TUNNEL GP

19 BOTTLE WASHERS
20  •  EASY EWF
21  •  E-LINE
21  •  S-LINE
22  •  P-LINE
ATLANTIS EASY

ATLANTIS EVO

ATLANTIS EVO XL

CAGE & RACK WASHERS

THE NEW BENCHMARK FOR OPERATIONAL EFFICIENCY AND FLEXIBILITY

AVAILABLE UNDER THREE DIFFERENT CONFIGURATIONS: EASY, EVO AND EVO XL DEPENDING UPON CHAMBER SIZE, REQUESTED APPLICATIONS AND OPTIONS SELECTION.
CAGE & RACK WASHERS

ATLANTIS

Greater efficiency
Compared to our previous generation washers, Atlantis offers:
- 10% increased loading capacity (up to 130 mice cages/cycle)
- 50% increased total water impact force (pressure and water flow at nozzle level) for effective cleaning
- 10% to 20% less footprint required, including technical space

Greater flexibility and modularity
- The modular design typical of our Lean Manufacturing makes Atlantis suitable for future functionality upgrades (e.g. hydrogen peroxide decontamination capabilities)
- Building friendly design with unique features to simplify infrastructural requirements
- In-line self-cleaning filters to get rid of historical high maintenance static chamber floor screens
- Double emergency bars with self-releasing doors: safety is not an option!

Greater performance and sustainability
- Less utility requirements: only cold water supply in steam heated units
- About 50l (13gal) of water consumption per a microbiologically-validated cycle with only 100ml (3.4oz) of detergent usage
- Fully certified and compliant with the latest guidelines (AK KAB and AAALAC requirements)
ATLANTIS EASY

- Less than 10 minutes standard microbiologically validated washing cycle; up to 600 mice cages/hour
- Wide coverage oscillating arms technology featuring washing and rinsing complete separate circuits
- Atlantis EASY can be installed and operated between solid walls with complete frontal access for maintenance and service
- H₂O₂ decontamination with external generator, AWS flushing and steam thermal disinfection available as options in day 1 or for future upgrades
- Quick lock kit for bottle washing capabilities

Tool-free self-cleaning filter to get rid of old-style high maintenance static chamber floor screens!
In addition to what offered by the EASY model, Atlantis EVO features:

- 6 minutes standard microbiologically validated washing cycle; up to 1000 mice cages/hour
- Only 100mm (4”) depth pit
- Exhaust duct-free optional configuration with energy recovery system
- On-board H₂O₂ generator with fast aeration and catalyst for quick and self-contained decontamination cycles
- Hot air drying with heat-recovery system and automatic tilting floor feature
- Chamber illuminated by LED multicolor light to identify machine status

Modular design pre-arranged for future upgrades
ATLANTIS EVO XL

- 20 minutes primate racks washing cycle
- Double washing tank standard design for alkaline and acid phases
- Increased chamber size for accommodating large animal cages and racks
- Wide coverage oscillating arms technology featuring additional vertical manifolds for excellent washing results even with odd shapes loads
- H₂O₂ decontamination with external generator, AWS flushing and steam thermal disinfection

User-friendly interface featuring remote connectivity for monitoring and controlling

TAKE A LOOK AT IWT DATACLICK BROCHURE TO FIND OUT MORE
IDEAL FOR PROCESSING CAGES AND THEIR ACCESSORIES, BOTTLES AND MISCELLANEOUS, EITHER AS A MAIN UNIT OR AS A PREMIUM BACKUP SOLUTION.

A PROVEN AND EFFECTIVE MODEL FOR AQUATICS APPLICATIONS IS NOW ALSO AVAILABLE TO AUTOMATIZE THE ALGAE AND BIOFILM REMOVAL.
EASY 400

- Compact size and double loading level for extra washing capacity
- Built-in flexibility cage and bottle washer
- Rotating arms washing technology with completely separate washing and rinsing circuits
- Suitable for small vivarium and perfect as a backup unit
- Easy to install and very simple to operate

CALYPSO

- Algae and biofilm perfect removal via the exclusive IWT formula made of pressure, coverage and detergents mix
- Guarantee of precise cleaning thanks to multiple rinses including final rinse with RO water
- No need of tanks pre-treatment, automatic remove of possible diet residues during pre-wash phase
- Simplified utilities, no exhaust needed, only electricity and water required
- Simple loading/unloading due to the direct access to the chamber at an ergonomic height
- Fits tight spaces thanks to the reduced operational footprint:
  - No more unpleasant flip-over doors, sash window door design
  - On-board compartment for detergents storage
- Maximum flexibility to process a variety of aquatic accessories: loading shelves inclusive of tool-free setting system
- Polaris interface with remote connectivity and multiple cycles fully customizable
OCEANUS

- Full glass doors with sash window system for over 40% operational space savings compared to traditional solutions
- Completely separate wash and rinse circuits and oscillating arms technology
- 5-minute microbiologically validated cycle to meet AK KAB and AAALAC requirements
- High through put with over 300 mice cages or 570 bottles washed per hour
- High capacity filtration system with direct operator access, no need to remove trays or shelves
- Full accessibility to any part of the machine for maintenance, including on-board detergent storage, to allow wall-to-wall installations
- No compressed air required, a fully electrically-driven unit, as an option the exhaust conditioning system requires no extract ductwork
- Polaris interface with remote connectivity and USB port for data gathering
THE GP SERIES TUNNEL WASHER ASSURES REMARKABLY HIGH THROUGHPUT AND EFFECTIVE SANITIZATION PERFORMANCE, WITH OUTSTANDING ENERGY AND WATER SAVINGS.
open belt design = perfect coverage = tops inclined presentation = water dripping
TUNNEL WASHER GP

- Modular tunnel washer for in-line continuous cage processing (up to 1400 cages/hour)
- Suitable for both manual or robotic applications
- Available in standard or wide versions
- Green design for great energy efficiency (only cold water required) and extremely low water usage (560l/hour - 148gal/hour)
- Patented self-cleaning filtration for automatic removal of waste material
- Effective sticky soil removal thanks to high water pressure (2 bar - 29 PSI) at jet level
- Optional pre-washing module for an effective treatment of autoclaved cages
- Outstanding drying results (99.99%) without chemical aids
- Open belt design for IVC tops inclined presentation to grant proper dripping and avoid water pooling

TAKE A LOOK AT IWT AUTOMATION BROCHURE TO FIND OUT HOW TUNNEL GP CAN BE INTEGRATED WITH OUR ROBOTICS SOLUTIONS
IWT has always been in the forefront of innovations around bottle processing. Ergonomics, proven performance, modular and flexible design in the smallest possible footprint are the cornerstones of our solutions.
EASY EWF

- A complete bottle handling system - emptying, washing and refilling - in 3 meters (10ft) only
- Easy EWF frees staff from repetitive and physical tasks typical of handling heavy bottle crates
- Flexible configurations with a wide range of accessories (e.g. Magic Decapper and Acidification Unit)
- The washer features 36 S/S fix nozzles ensuring that all internal bottle surfaces are thoroughly and consistently cleaned

Details matter: an ergonomic bottle processing starts from the right accessories!
E-LINE

- Modular bottle processing system for emptying, decapping, washing, rinsing, refilling and recapping
- High throughput: 36 bottles/cycle in a 2min washing cycle
- Suitable for pass-through applications featuring double sliding glass doors
- Individual washing nozzle technology
- Optional semi-automated decapping and recapping solution available

S-LINE

- Outstanding and proven performance with individual washing nozzle technology
- Automatic decapping system
- Automatic loading and unloading management of the washing module either for bottle crates and removed caps
- Loading and unloading motorized buffers
- Optional semi-automated recapping solution available
BOTTLE WASHERS

P-LINE

- Fully automated and highly performing system from decapping to recapping in just 3.5m (11.5ft)
- Both bottles and caps are washed and sanitized by means of individual washing nozzles for outstanding and proven performance
- 18 bottles and caps/cycle processed on two levels
- High throughput: up to 500 bottles and caps/hour
- Just half liter (17oz) of water per bottle/cycle
What about automatizizing even the loading and unloading of the transport trolley?

- Fully certified and compliant with the latest guidelines (AK KAB and AAALAC requirements)
- Motorized buffers to enhance system autonomy or robotic system (Poseidon) to fully automate the transport trolley loading and unloading operations
- Automatic refilling module to be used after autoclave barrier to reduce decontamination process consumptions and cycle time

- Suitable for bottles from 260ml to 700ml
- BC-Matic and BC-Plast bottle crates with embedded lid and drawer style transport trolleys for easy bottle handling
- Bottles and, above all, caps are never touched by operators for the whole process duration

TAKE A LOOK AT IWT AUTOMATION BROCHURE TO FIND OUT MORE