

WASHING





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

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.

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CAGE & RACK WASHERS



ATLANTIS
EASY



ATLANTIS
EVO



ATLANTIS
EVO XL

ATLANTIS

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.



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

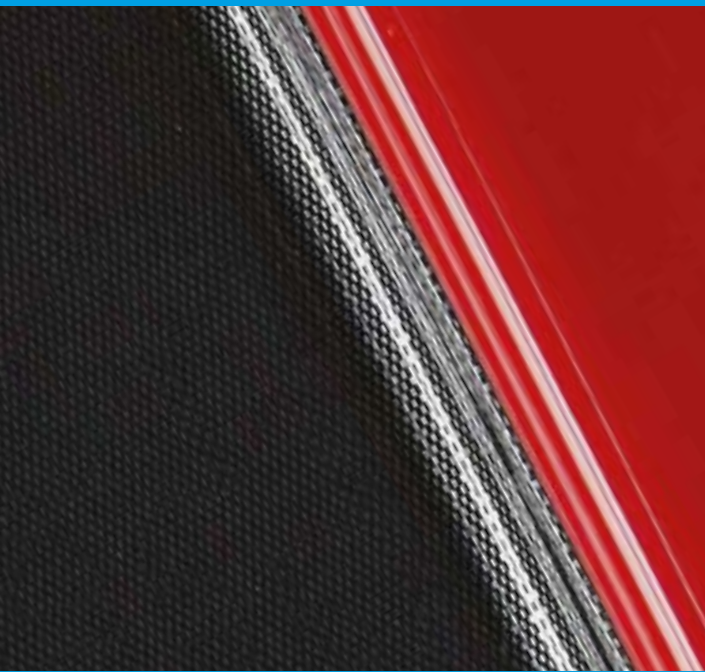
Greater flexibility and modularity

- 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)





Tool-free
self-cleaning filter
to get rid of old-style
high maintenance
static chamber
floor screens!

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

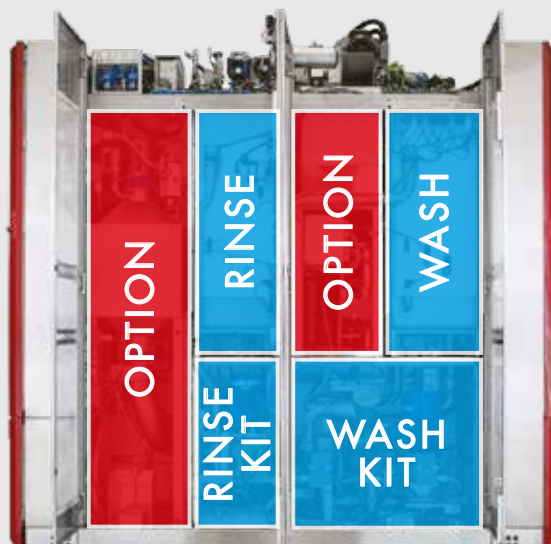




ATLANTIS EVO

In addition to what offered by the EASY model, Atlantis EVO features:

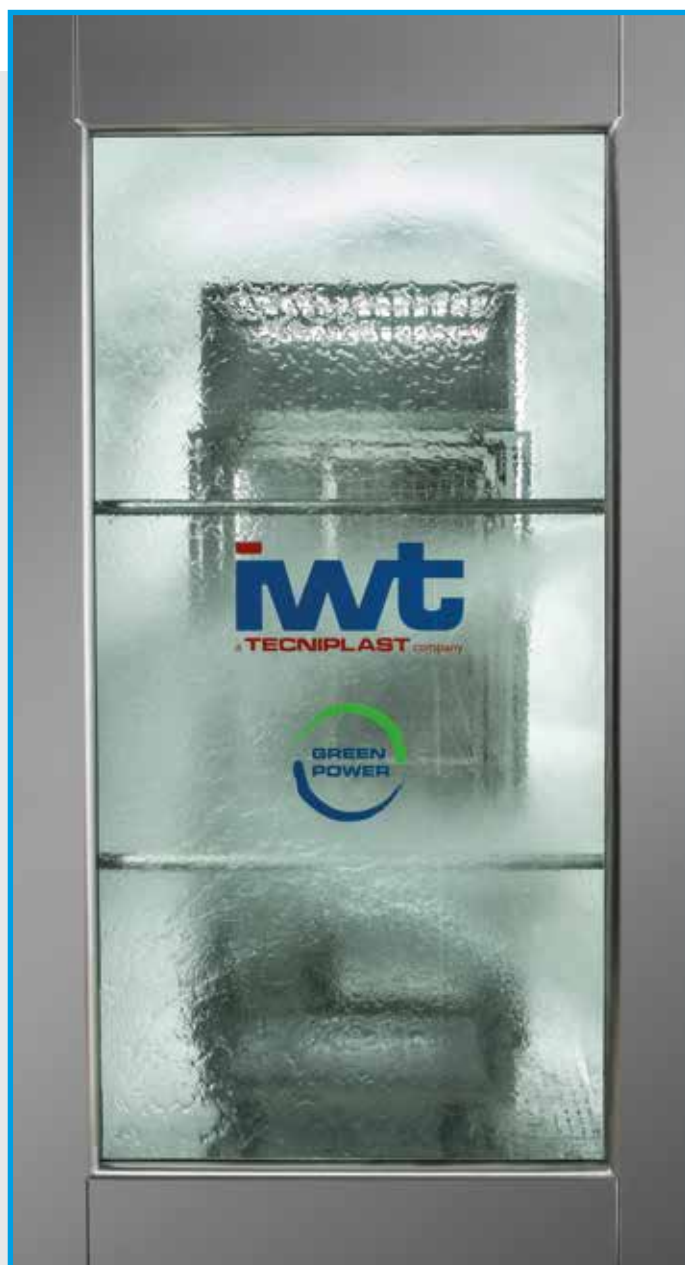
- 6 minutes standard microbiologically validated washing cycle; up to 1000 mice cages/hour
- Only 100mm (4") depth pit
- Exhaust duct-free optional configuration with energy recovery system
- On-board H_2O_2 generator with fast aeration and catalyzer for quick and self-contained decontamination cycles
- 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

User-friendly
interface
featuring
remote connectivity
for monitoring
and controlling

TAKE A LOOK AT IWT
DATACLICK BROCHURE
TO FIND OUT MORE



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



CABINET WASHERS



OCEANUS



EASY 300



EASY 400



CALYPSO

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.



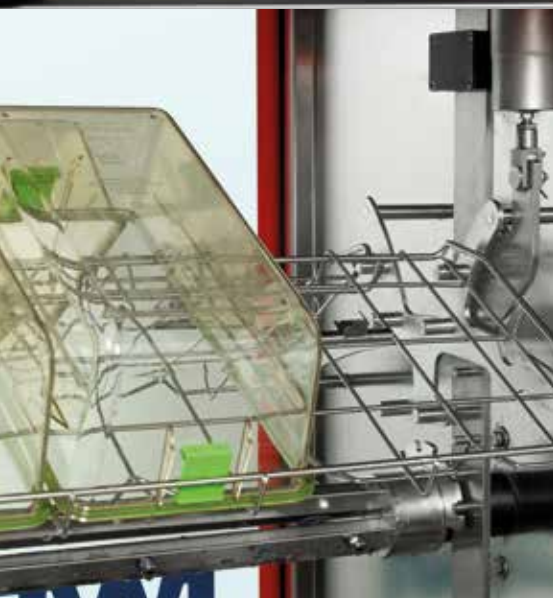
OCEANUS

- 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



New design to perfectly combine
functionality, ergonomics
and appeal!

- full glass doors with sash window system, for outstanding operational space savings
- enhanced visibility = full process control and communication through barriers



PATENTED PRESENTATION KIT TO ADAPT INCLINATION TO DIFFERENT LOADS: NO NEED OF ADDITIONAL FRAMES!

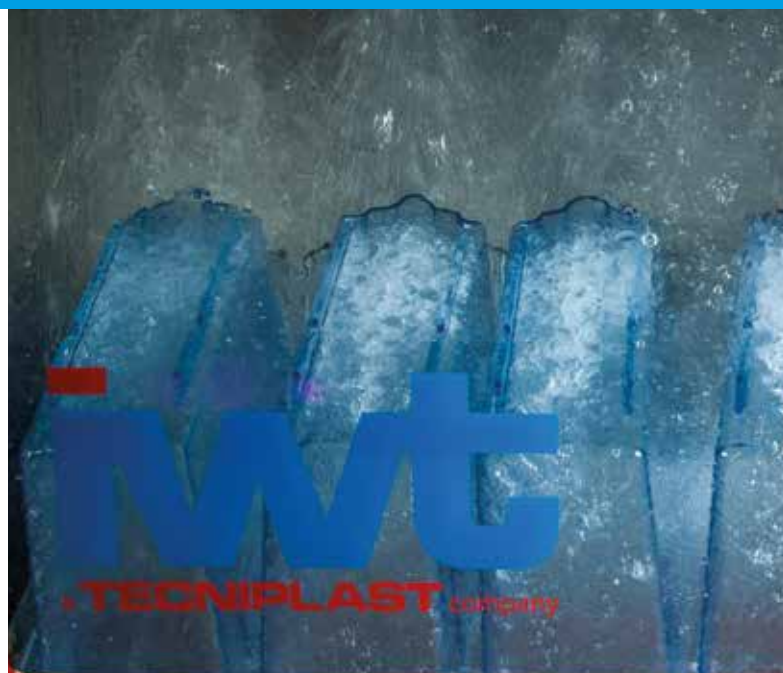


EASY 300-400

- Flexible and compact cabinet washers ideal for small facilities or as backup units
- Space-saving and flexible design: reduced footprint to easily fit tight spaces
- Plug&Play system with easy maintenance and installation operations
- Washing efficiency with proper water flow, pressure, and coverage for a validated cleaning cycle
- Optimized throughput with two washing levels and rotating spray arms
- Pre-set cycles whose temperature parameters can be adjusted on-site at your needs
- Advanced operator ergonomics with easy access from the front side and sliding-off loading baskets
- High-level quality construction: entire systems made of AISI 304 stainless steel and plastic materials resistant to both working temperatures and chemical detergents
- Cost-effective and environmentally friendly: re-circulating washing cycle and reduced consumptions

Optimized
throughput
with two
washing levels
and rotating
spray arms





Loading shelves with tool-free setting system to process a variety of aquatic accessories

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





ARCADIA

TUNNEL WASHERS



ARCADIA

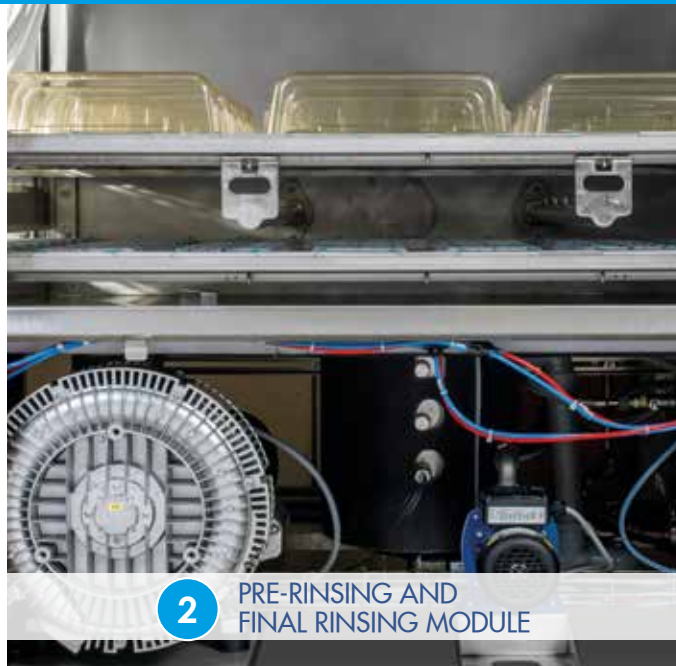
ARCADIA TUNNEL WASHER ASSURES
REMARKABLY HIGH THROUGHPUT AND
EFFECTIVE
SANITIZATION PERFORMANCE, WITH
OUTSTANDING ENERGY
AND WATER SAVINGS

TUNNEL WASHERS



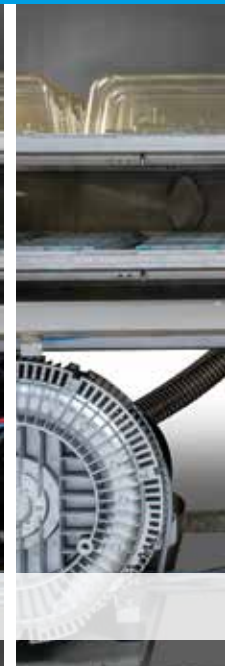
1

WASHING MODULE



2

PRE-RINSING AND
FINAL RINSING MODULE



Plastics
mould-injected
conveyor Belt
which allows
IVC tops inclined
presentation





ARCADIA

- At least 15% footprint reduction versus comparable previous configurations
- Ergonomic loading height of 3' – 915mm
- Higher loading capacity given by a tunnel opening of 18" - 460mm
- EcoMode with only 440l – 116gal water consumption per hour (40% less than previous models)
- Up to 1250 Typell mice cages/hour
- Fully validated microbiological results compliant with AK-KAB and AAALAC requirements
- Heat-recovery system (optional) for extra energy efficiency
- Automatic slide-up service doors for full chambers accessibility
- ■ Self-cleaning in-line filter with back-flush feature and automatic waste removal
- Polaris Interface with remote connectivity
- Full frontal maintenance for "against the wall" installation capability





BOTTLE WASHERS



EASY 200



EASY EWF



E-LINE



S-LINE



P-LINE

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.

BOTTLE WASHERS



EASY 200

- Space saving: electrically heated washer with compact dimensions
- Flexible design: suitable both for standalone and in-line pass-through applications featuring double manual sliding interlocked doors; ideal to be installed in existing layout with an adaptable workflow direction and configuration
- Full flexibility to be integrated with multiple tables for operators' ergonomic processing, including semi-automatic solutions for decapping and re-capping
- Washing efficiency: separated washing and rinsing circuits, throughput of 36 bottles/cycle (#2 crates/cycle)
- Washing efficacy: dedicated and fixed S/S nozzles system composed of #36 separated washing and rinsing jets
- Efficient process phases monitoring: tempered glass window installed on the bottle washer side
- Environmentally-friendly: re-circulating washing cycle with reduced water and detergent consumptions
- Heat recovery system to save up to 34% of energy during a single cleaning cycle
- Water discharge control system (temperature and pH control) for leaner integration with customers' main lines



Unique ergonomic design to reduce additional effort and fatigue during every repetitive operator task



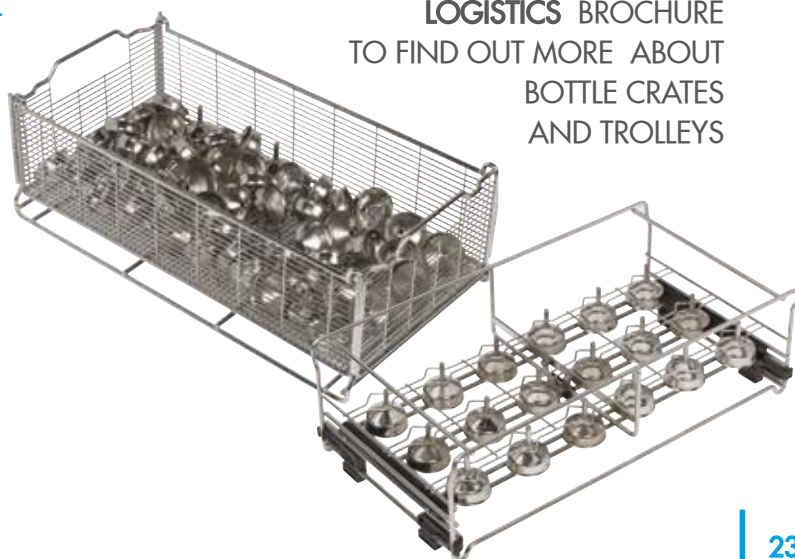
Details matter:
an ergonomic bottle
processing starts from
the right accessories!

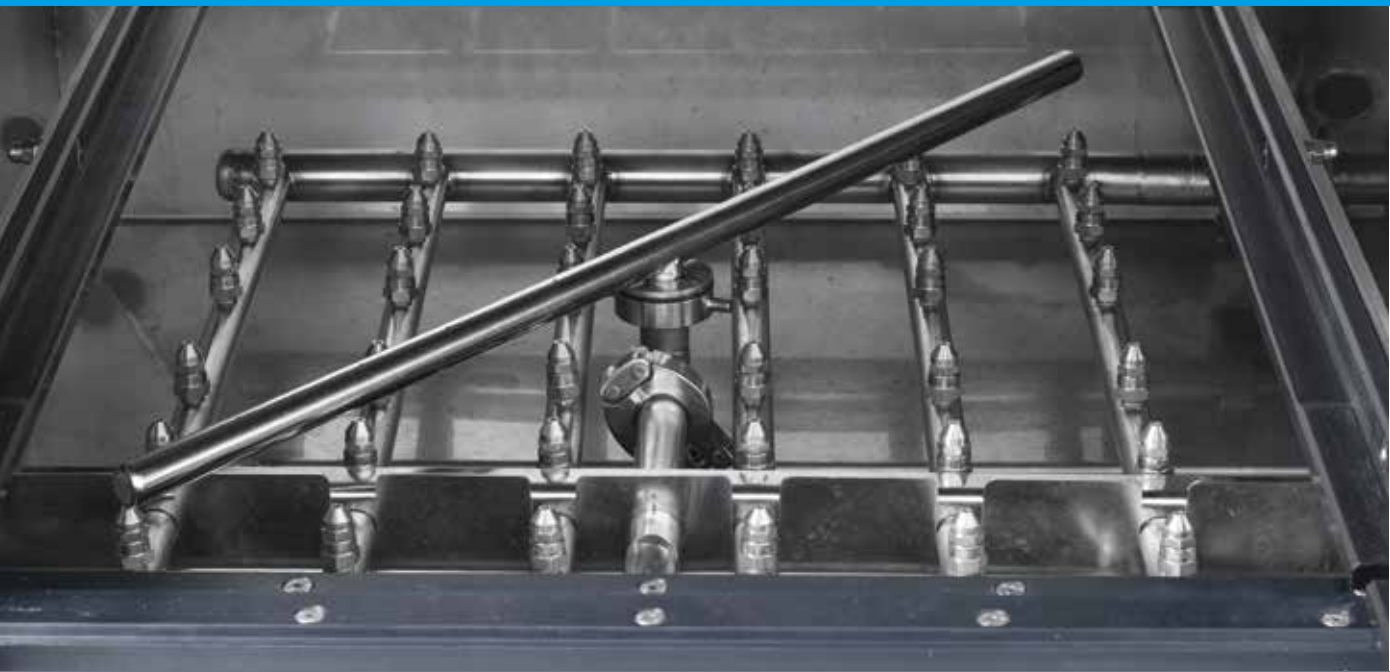


EASY EWF

- 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

TAKE A LOOK AT IWT
LOGISTICS BROCHURE
TO FIND OUT MORE ABOUT
BOTTLE CRATES
AND TROLLEYS





E-LINE

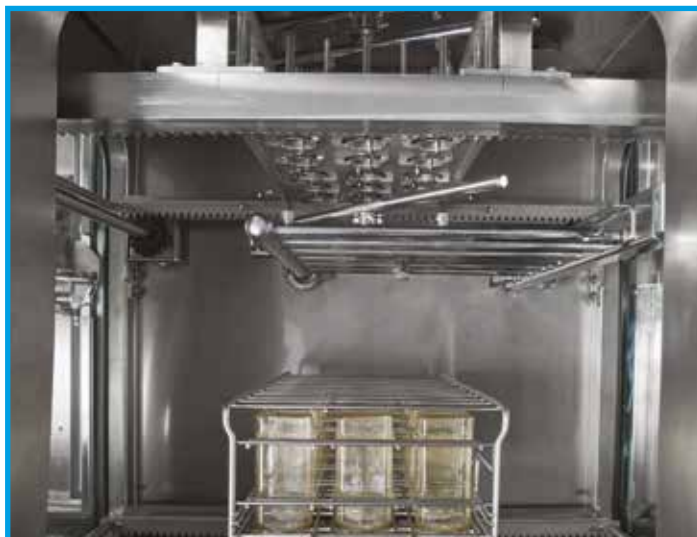
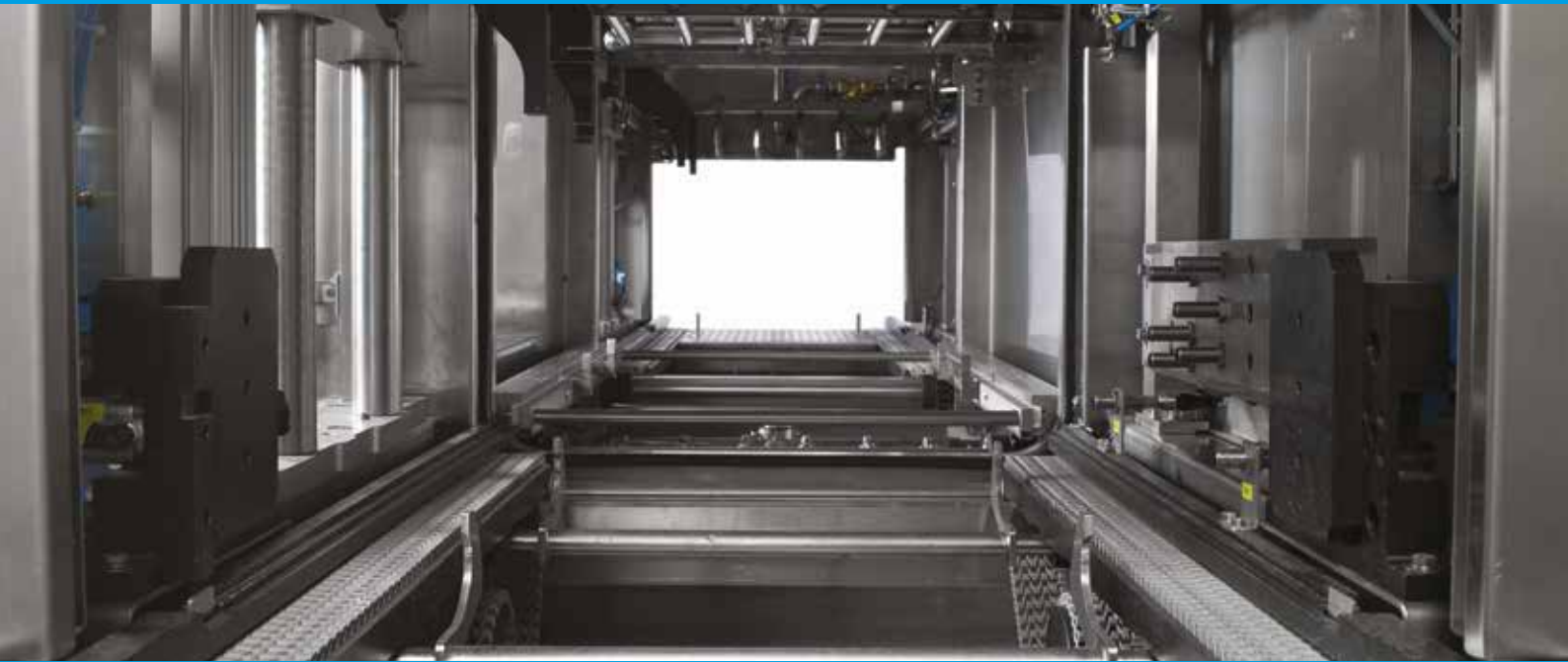
- Modular bottle processing system for emptying, decapping, washing, rinsing, refilling and recapping
- High throughput: 36 bottles/cycle in a 2min washing cycle
- Suitable for pass-through applications featuring double sliding glass doors
- Individual washing nozzle technology
- Optional semi-automated 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
automatizing even
the loading and
unloading of the
transport trolley?

TAKE A LOOK AT IWT
AUTOMATION BROCHURE
TO FIND OUT MORE



- 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



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COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
[ISO 9001](#)

COMPANY WITH
ENVIRONMENTAL SYSTEM
CERTIFIED BY DNV
[ISO 14001](#)

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SISTEMA DI GESTIONE
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