

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

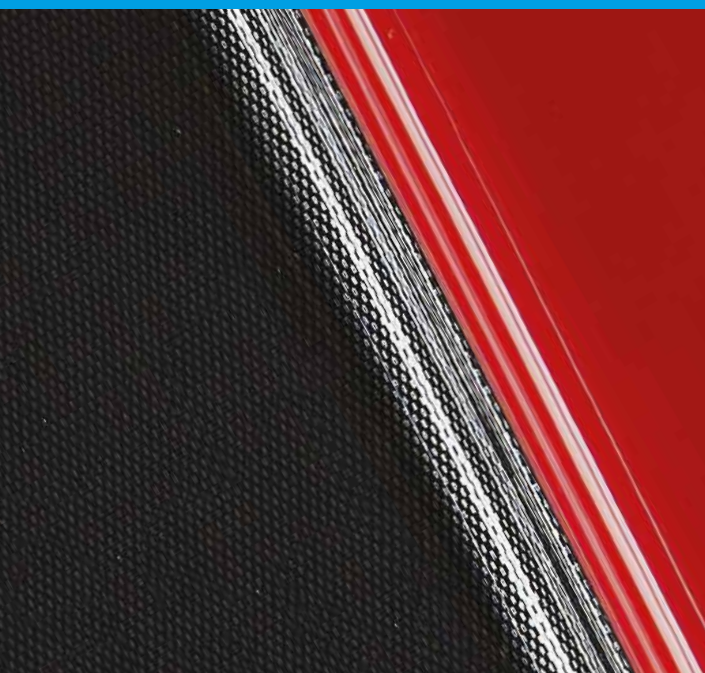
Greater flexibility and modularity

- 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

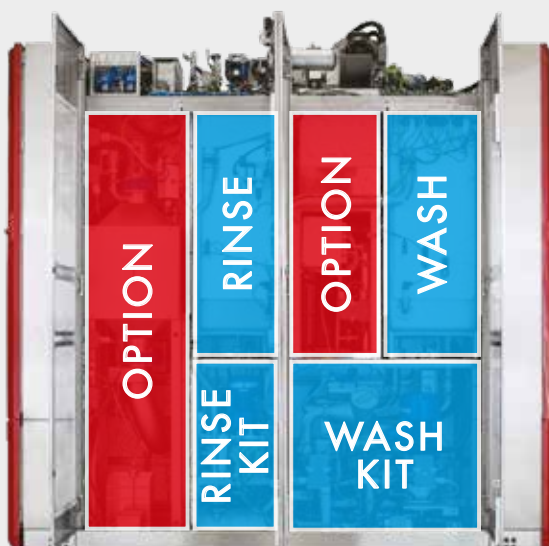




ATLANTIS EVO

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

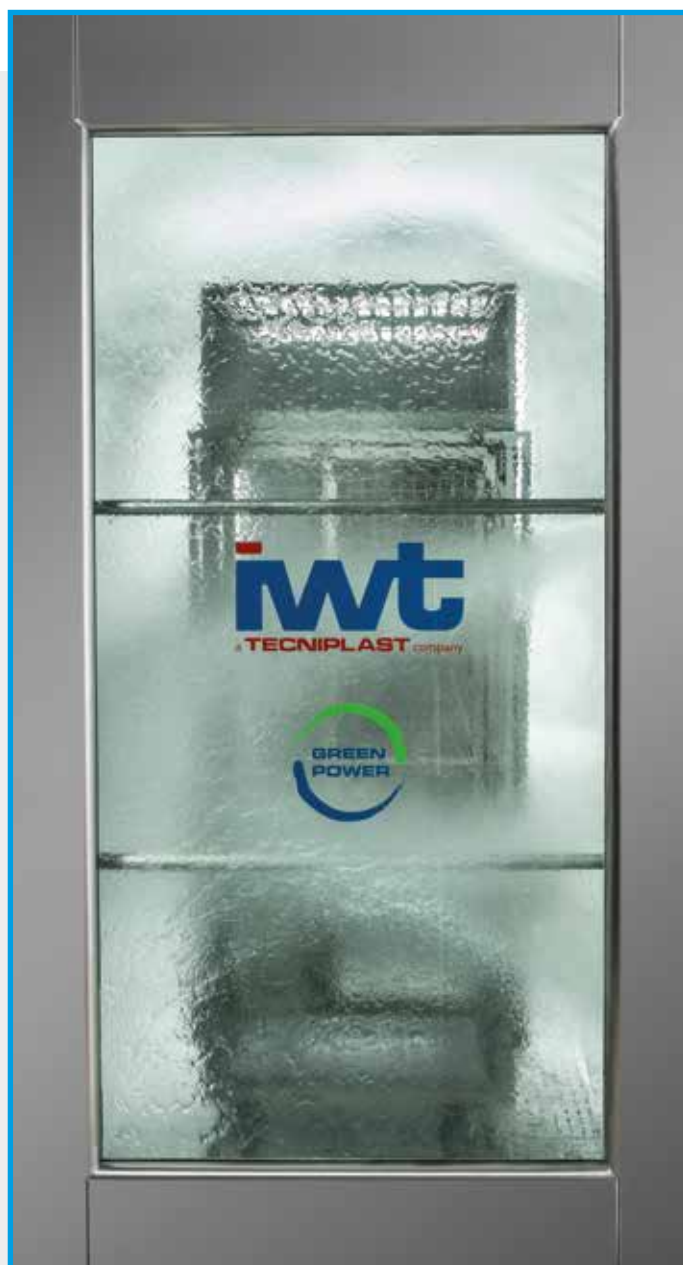
- 6 minutes standard microbiologically validated washing cycle; up to 1000 mice cages/hour
- Only 100mm (4") depth pit
- Exhaust duct-free optional configuration with energy recovery system
- On-board H_2O_2 generator with fast aeration and catalyzer for quick and self-contained decontamination cycles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



EASY 400



CALYPSO



OCEANUS

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

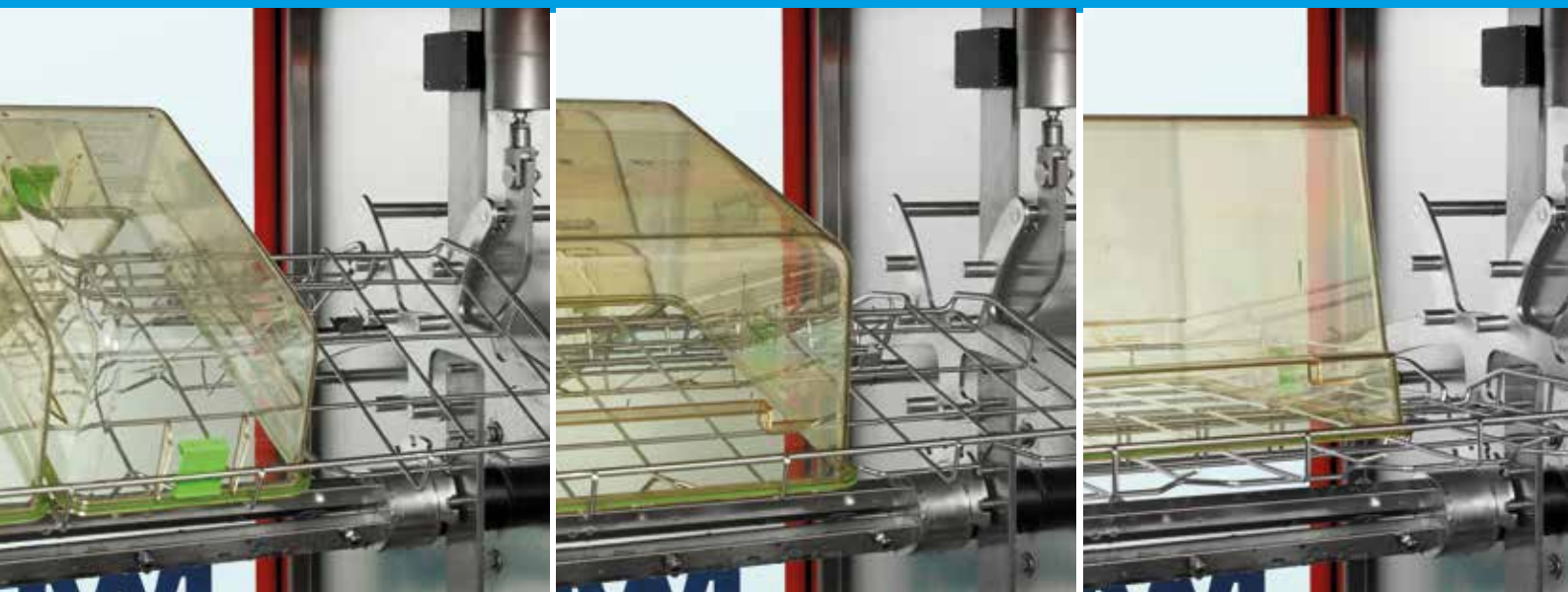
CALYPSO



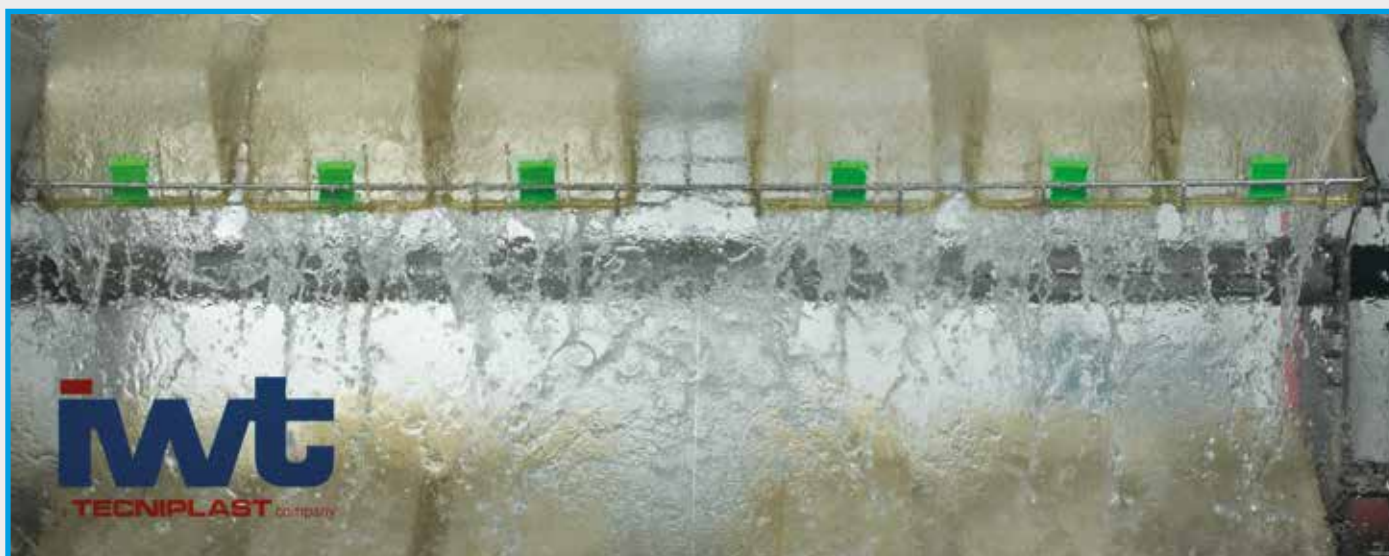
- Algae and biofilm perfect removal via the exclusive IWT formula made of pressure, coverage and detergents mix
- Guarantee of precise cleaning thanks to multiple rinses including final rinse with RO water
- No need of tanks pre-treatment, automatic remove of possible diet residues during pre-wash phase
- 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



TAKE A LOOK AT TECNIPLAST
AQUATICS BROCHURE
TO FIND OUT MORE



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



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



ARCADIA

TUNNEL WASHERS



ARCADIA

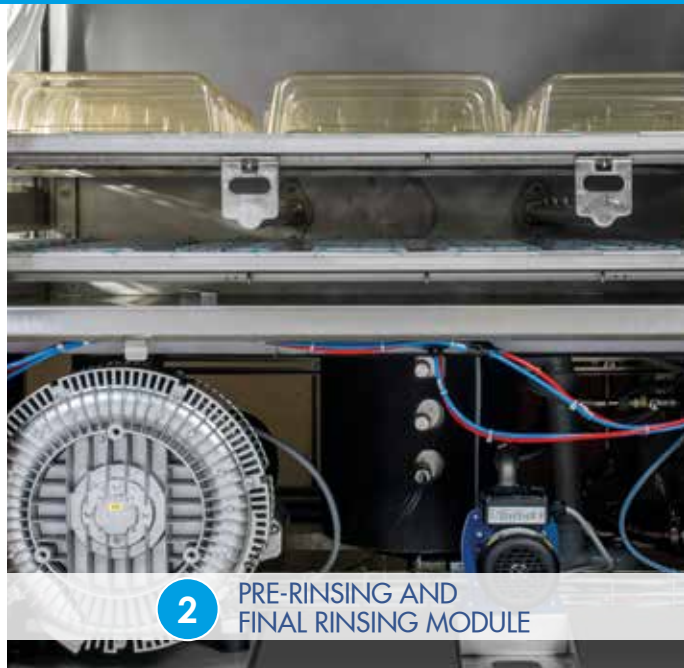
ARCADIA TUNNEL WASHER ASSURES
REMARKABLY HIGH THROUGHPUT AND
EFFECTIVE
SANITIZATION PERFORMANCE, WITH
OUTSTANDING ENERGY
AND WATER SAVINGS

TUNNEL WASHERS



1

WASHING MODULE



2

PRE-RINSING AND
FINAL RINSING MODULE



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





3 DRYING MODULE



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 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.



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



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



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

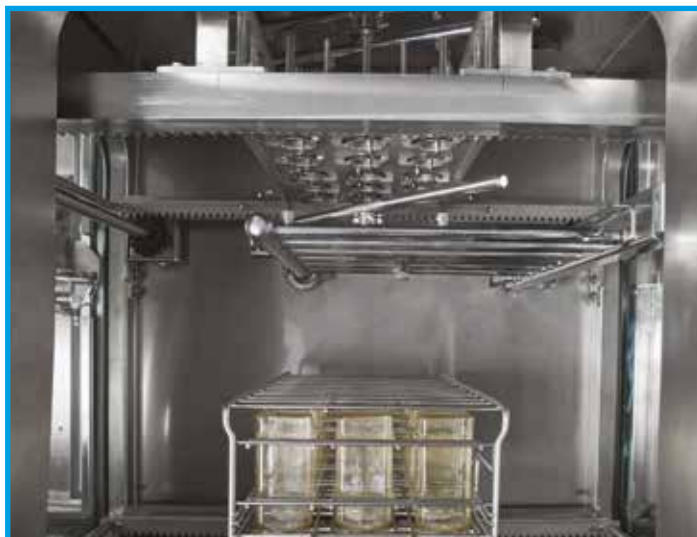
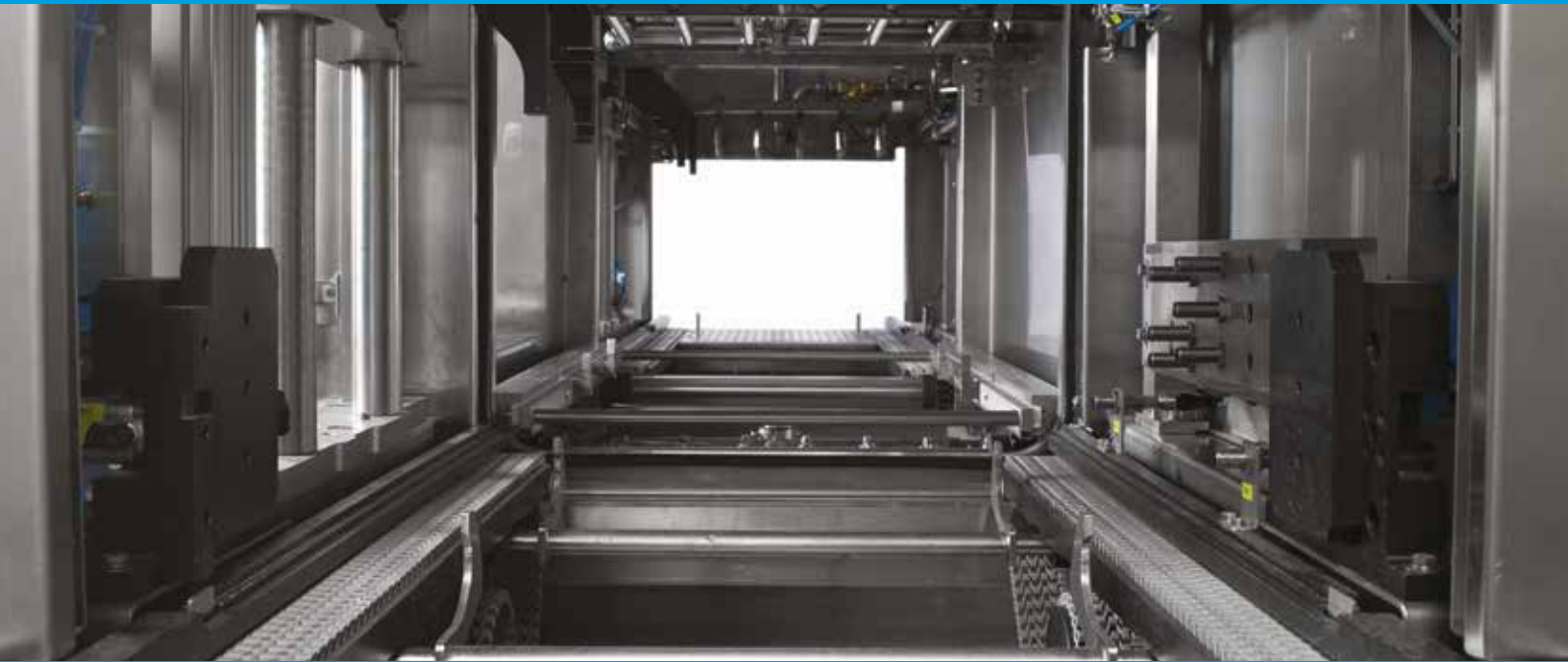


E-LINE

- 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



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



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

HEADQUARTERS IWT s.r.l. | Tel. +39 0332.96701 · www.iwtsrl.it · E-mail: info@iwtsrl.it

Sister Companies

AUSTRALIA/NEW ZEALAND | Tel. + 61 2 8845 6500 · www.tecniplast.it · E-mail: info@tecniplast.com.au

CHINA | Tel. + 86 (0)21 50810920 · www.tecniplast.cn · E-mail: tecniplastchina@tecniplast.it

FRANCE | Tél. +33 (0)4 72 52 94 41 · www.tecniplast.fr · E-mail: info@tecniplast.fr

GERMANY | Tel. +49 (0)8805 921320 · www.tecniplast.de · E-mail: info@tecniplast.de

UNITED KINGDOM | Tel. + 44 (0)845 0504556 · www.tecniplast.it · E-mail: info@tecniplastuk.com

JAPAN | Tel. +81 (0)3 5770 5375 · www.tecniplast.it · E-mail: info@tecniplastjapan.co.jp

USA | Toll Free: +1 877.669.2243 · www.tecniplastusa.com · E-mail: info@tecniplastusa.com

CANADA | Toll Free: +1 855.347.8718 · www.tecniplastcanada.com · E-mail: info@tecniplastcanada.com

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