



MODULARITY, FLEXIBILITY, ERGONOMICS, OPERATORS' PROTECTION AND COST EFFECTIVENESS: THESE ARE THE KEY FACTORS THAT DRIVE OUR DESIGN, TO PROVIDE CUSTOMERS WITH CUTTING-EDGE AUTOMATED SOLUTIONS

IWT IS THE IDEAL PARTNER FOR THE CARE OF YOUR FACILITY AND FOR THE OPTIMIZATION OF YOUR CLEANING WORKLOAD.

SINCE 1999 IWT HAS BEEN DESIGNING, DEVELOPING AND ENGINEERING AUTOMATION SOLUTIONS FOR THE LABORATORY ANIMAL INDUSTRY. TODAY, WITH OVER 100 ROBOTS INSTALLED IN THE MOST PRESTIGIOUS VIVARIUM WORLDWIDE, IWT IS PROUD TO PROVIDE YOU WITH THE MOST COMPREHENSIVE PORTFOLIO OF AUTOMATED SOLUTIONS IN THE MARKET. THE WIDEST TEAM OF SPECIALISTS AND ENGINEERS IS AVAILABLE TO SUPPORT YOU FROM PROJECT MANAGEMENT TO INSTALLATION, FROM COMMISSIONING TO TRAINING AND MAINTENANCE.

OUR COMPLEMENTARY SERVICES INCLUDE:

- **3D DESIGN** - MODELLING OF EVERY SINGLE COMPONENT, MAKING ANY SYSTEM UNIQUE
- **3D SIMULATION** OF ROBOTIC CELLS AND SOFTWARE
- **REAL INTEGRATION AND INTERNAL COMMISSIONING** - SYSTEMS ARE ASSEMBLED AND INTERNALLY TESTED FOR A 100% INTEGRATED SOLUTION, RESULTING IN QUICKER INSTALLATION AND HANDOVER
- **THROUGHPUT AND ROI ANALYSIS** TO SUPPORT THE CLIENTS IN BUDGET FUNDING AND PROJECT JUSTIFICATIONS

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FULLY AUTOMATED BOTTLE PROCESSING



BOTTLES REQUIRE FAST TURNOVER:
MODERN FACILITIES NEED EQUIPMENT
FEATURING THE SMALLEST POSSIBLE
FOOTPRINT, HIGH THROUGHPUT,
WASH PERFORMANCE AS WELL AS
OUTSTANDINGLY ERGONOMIC
WORKING CONDITIONS.

ALL THOSE CHALLENGES CAN BE
OVERCOME WITH IWT POSEIDON SYSTEM.

Operators are only handling trolleys and carts for the top in class ergonomics



POSEIDON

Product features:

- Total bottle automation starting from logistic trolley presentation
- Up to 500 bottles and 500 caps individually washed per hour
- Green Power technology for top results with the lowest energy consumption
- Robotic cell smaller than 3.7sqm (40 sqf)
- Total flexibility to process bottles up to 700ml



Process flow:

- Poseidon takes the crates from transport trolley and loads the P-Line automated bottle washer
- Bottles are then:
 - de-capped and emptied
 - washed
 - filled and re-capped
- Poseidon collects the clean crates and reloads transport trolleys



PARTIAL CAGE CHANGE



ARES



PEGASUS

IWT SOLUTIONS MEET ALL
CUSTOMERS' NEEDS

ARES SYSTEM IS SPECIFICALLY
DEVELOPED FOR THOSE FACILITIES
PERFORMING PARTIAL CAGE
CHANGE PROCEDURES AND
LOOKING FOR AUTOMATIZING
A RACK WASHER SCENARIO.

PEGASUS SYSTEM IS CONCEIVED
FOR FACILITIES PERFORMING
PARTIAL CAGE CHANGE AND
UTILIZING TUNNEL WASHERS.

PARTIAL CAGE CHANGE



ARES

FOR PARTIAL CAGE CHANGE AND RACK WASHER

Product features:

- For small-medium size vivaria, existing or new, processing from 2,000 to 6,000 cages per week
- Robots take care of dirty and clean side operations: all hazardous activities can be avoided; operators just have to handle logistics and manage the system through the graphic, user-friendly interface
- The unique gripper design simulating human hand can manage all the standard rodent cages available on the market
- Two possible setups (BB and ST) to balance throughput and space requirements with available budgets. Different robot dimensions (from small to medium) and robotic cell footprints, from 12sqm (130sqf) to 20sqm (215sqf) for the solution that better suits your needs

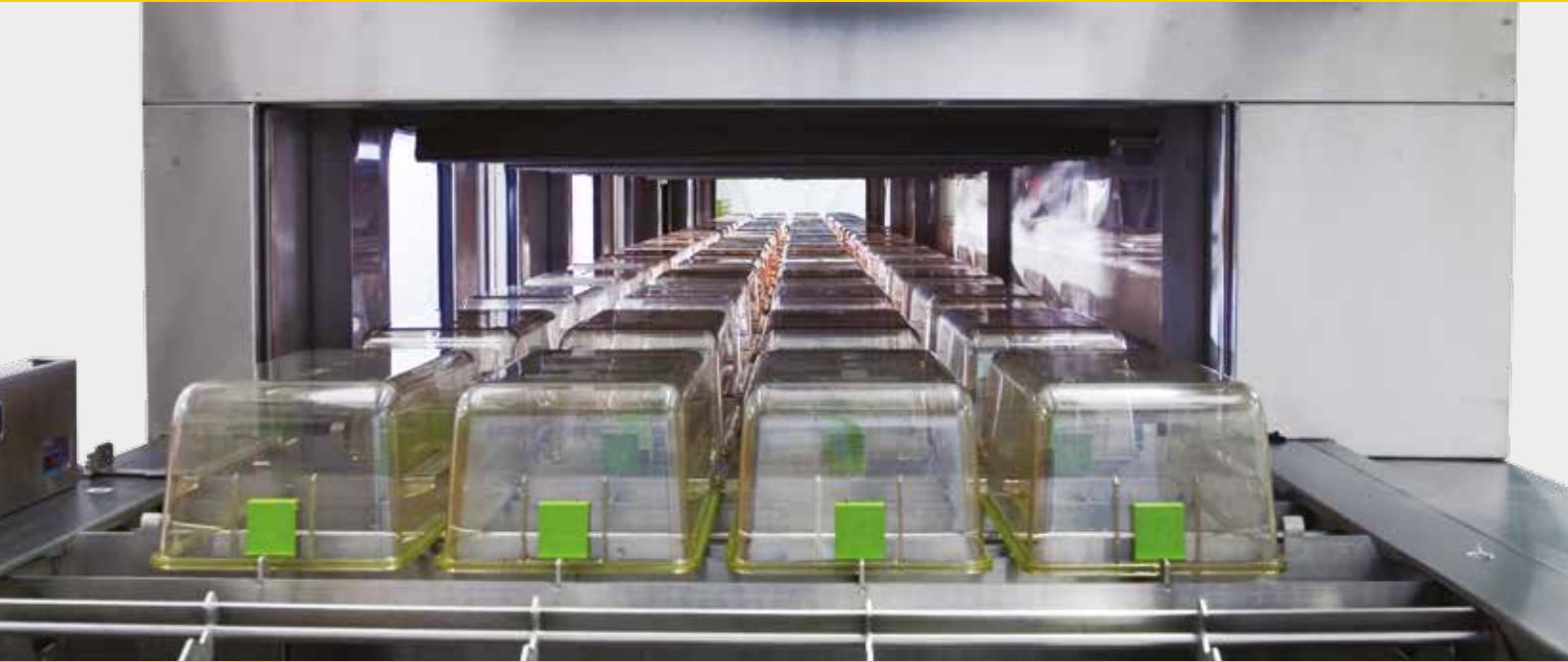


Tailor-made logistics
to fit any standard cage
type and washer
chamber dimension
to maximize
throughput reducing
storage footprint



POLARIS OPERATOR INTERFACE





PEGASUS

FOR PARTIAL CAGE CHANGE
AND TUNNEL WASHER

Product features:

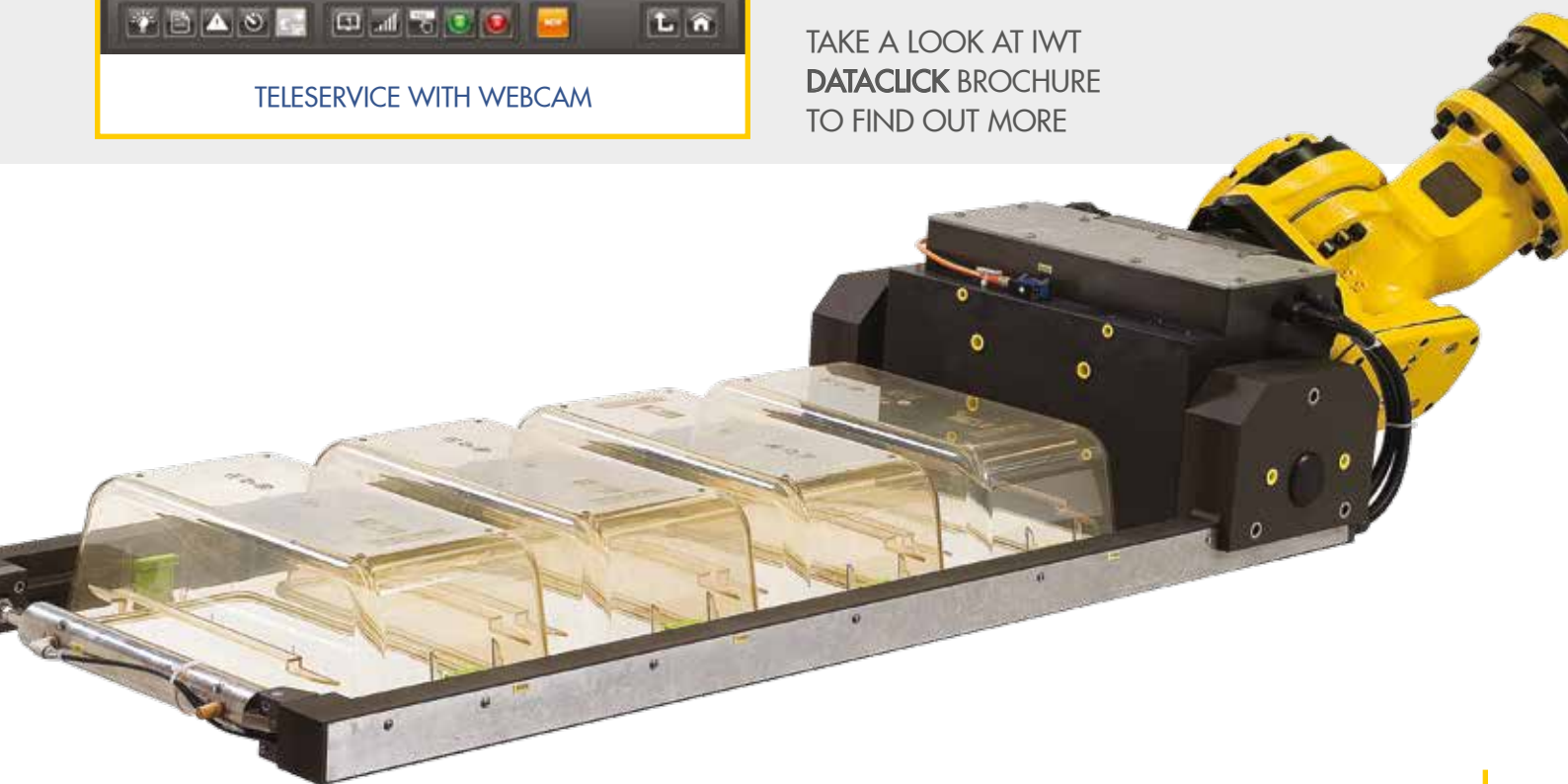
- For existing or new medium-large size vivaria, processing from 4,000 to over 12,000 cages/week
- Takes care of the entire process, from dirty side tasks through washing to clean side operations: system autonomy lasts up to 90min, leaving the operators free to perform other activities
- The dirty side Pegasus only, integrated with new or existing tunnel washer, is a really cost-effective solution
- Capable of processing any standard rodent cages; miscellaneous baskets allow the washing of IVC tops and various items in an automatic way
- Available in two different configurations:
 - XS (15 sqm - 160 sqft) - high throughput in compact robotic cells
 - XT (25 sqm - 270 sqft) - top performance in the market with an outstanding buffer capacity



TELESERVICE WITH WEBCAM

User-friendly interface featuring remote connectivity for monitoring and controlling

TAKE A LOOK AT IWT DATACLICK BROCHURE TO FIND OUT MORE





INTEGRAL CAGE CHANGE



APOLLO



COSMOS

IWT SOLUTIONS ARE UNIQUE IN THE MARKET AND VIRTUALLY MEET ALL CUSTOMERS' NEEDS

APOLLO IS A PATENTED AUTOMATION SYSTEM DESIGNED FOR THOSE VIVARIA PERFORMING AN INTEGRAL CAGE CHANGE PROCEDURE AND UTILIZING A RACK WASHER.

COSMOS IS A PATENTED FULL AUTOMATION SYSTEM FOR TUNNEL WASHER APPLICATION IN THOSE FACILITIES WHERE INTEGRAL CAGE CHANGE IS PERFORMED.



INTEGRAL CAGE HANDLING

Apollo has been the first automated system in the industry to take care of IVC cages in their integral setup: cage base, wire bar lid and top

APOLLO

FOR INTEGRAL CAGE CHANGE
AND RACK WASHER

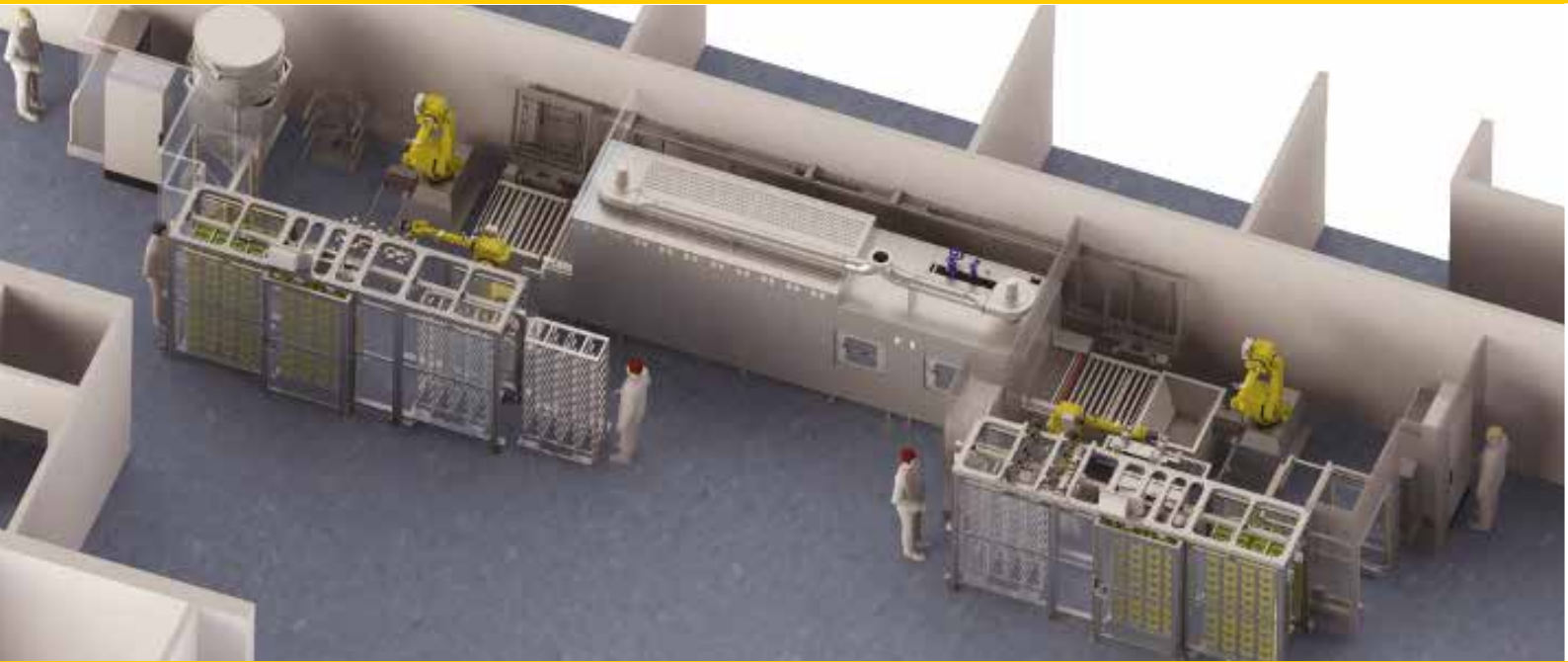
Product features:

- For existing or new small-medium size vivaria, processing from 2,000 to 5,000 integral cages per week
- Apollo prevents operators' exposure to allergens and avoids non-ergonomic daily operations
- Available in hybrid configuration to handle both integral cages or cage bases only



- Designed to automate the soil side of the washing area where the most hazardous tasks are performed. An automatic gripped change system allows the robot to select the correct end effector to handle different cage sizes
- Available in two standard configurations - BB and ST - with footprint is comparable to the space normally needed to perform manual operations (from 12sqm (130sqf) to 20sqm (215sqf))

INTEGRAL CAGE CHANGE



INTEGRAL CAGE HANDLING

COSMOS

FOR INTEGRAL CAGE CHANGE AND TUNNEL WASHER

Product features:

- For existing or new medium-large size animal facilities, processing from 4,000 to over 10,000 integral cages per week
- The system can manage IVC cages in their integral setup covering all the tasks needed both on soil and clean sides of the washing area; operators have just to feed the system with transport trolleys and recollect clean ones as output
- Designed to handle IVC latch-free cages
- Cosmos can be selected with a hybrid configuration which allows one to automatically process also stacks or cage bases, for total flexibility
- Robotic cell footprint: around 25sqm (270sqft)
- Top level allergen containment
- Full process monitored via user-friendly interface



Different
scraping
solutions
available for
heavy soil



WASHING PRESENTATION PALLET





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

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