





MODULARITY, FLEXIBILITY,  
ERGONOMICS, OPERATOR  
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 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 ON THE MARKET. OUR  
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** - WE MODEL EVERY SINGLE COMPONENT, MAKING  
SURE YOUR UNIQUE SYSTEM EXCEEDS YOUR REQUIREMENTS
- **3D SIMULATION** OF ROBOTIC CELLS AND SOFTWARE
- **INTEGRATION AND INTERNAL COMMISSIONING** - SYSTEMS  
ARE ASSEMBLED AND INTERNALLY TESTED TO ENSURE A 100%  
CUSTOMER APPROVAL RATE, WHICH RESULTS IN QUICKER  
INSTALLATION AND HANDOVERS
- **THROUGHPUT AND ROI ANALYSIS** TO SUPPORT THE CLIENTS IN  
BUDGET FUNDING AND PROJECT JUSTIFICATIONS

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# FULLY AUTOMATED BOTTLE PROCESSING



POSEIDON

BOTTLES REQUIRE FAST TURNOVER:  
MODERN FACILITIES NEED EQUIPMENT  
THAT FEATURE A SMALL FOOTPRINT,  
HIGH THROUGHPUT, EXCEPTIONAL  
WASHING PERFORMANCE AS WELL AS  
OUTSTANDINGLY ERGONOMIC  
WORKING CONDITIONS.

ALL THOSE CHALLENGES CAN BE  
OVERCOME WITH IWT POSEIDON SYSTEM.



IWT trolleys and carts  
have ergonomics  
at the heart of  
their design!



## POSEIDON

Product features:

- Complete bottle automation starting from logistic trolley presentation
- Up to 500 bottles and 500 caps individually washed per hour
- Green Power technology for outstanding results with low 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 AN AUTOMATED  
RACK WASHING 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 hands, 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





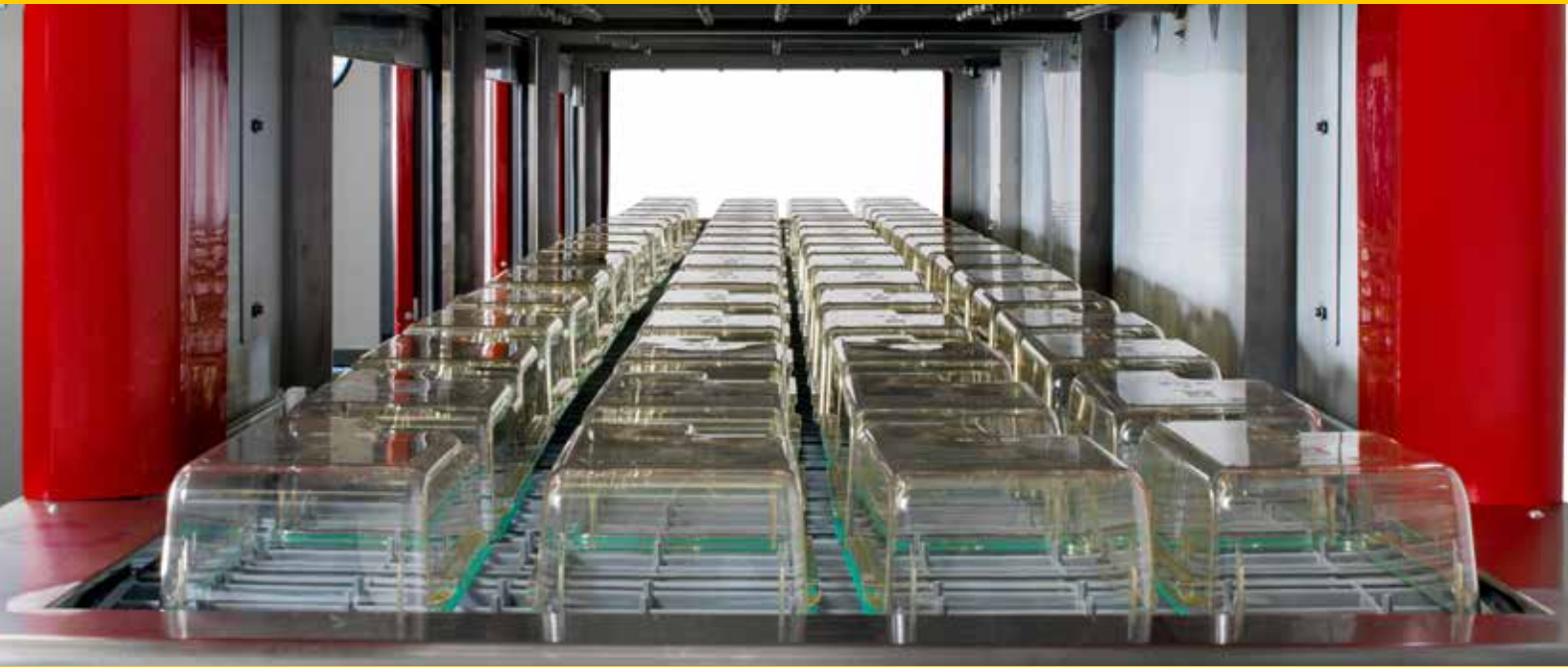
Tailor-made logistics  
to fit any standard cage  
type and washer  
chamber dimension  
to maximize  
throughput reducing  
storage footprint



POLARIS OPERATOR INTERFACE



# PARTIAL CAGE CHANGE



## PEGASUS

### FOR PARTIAL CAGE CHANGE AND TUNNEL WASHER

#### Product features:

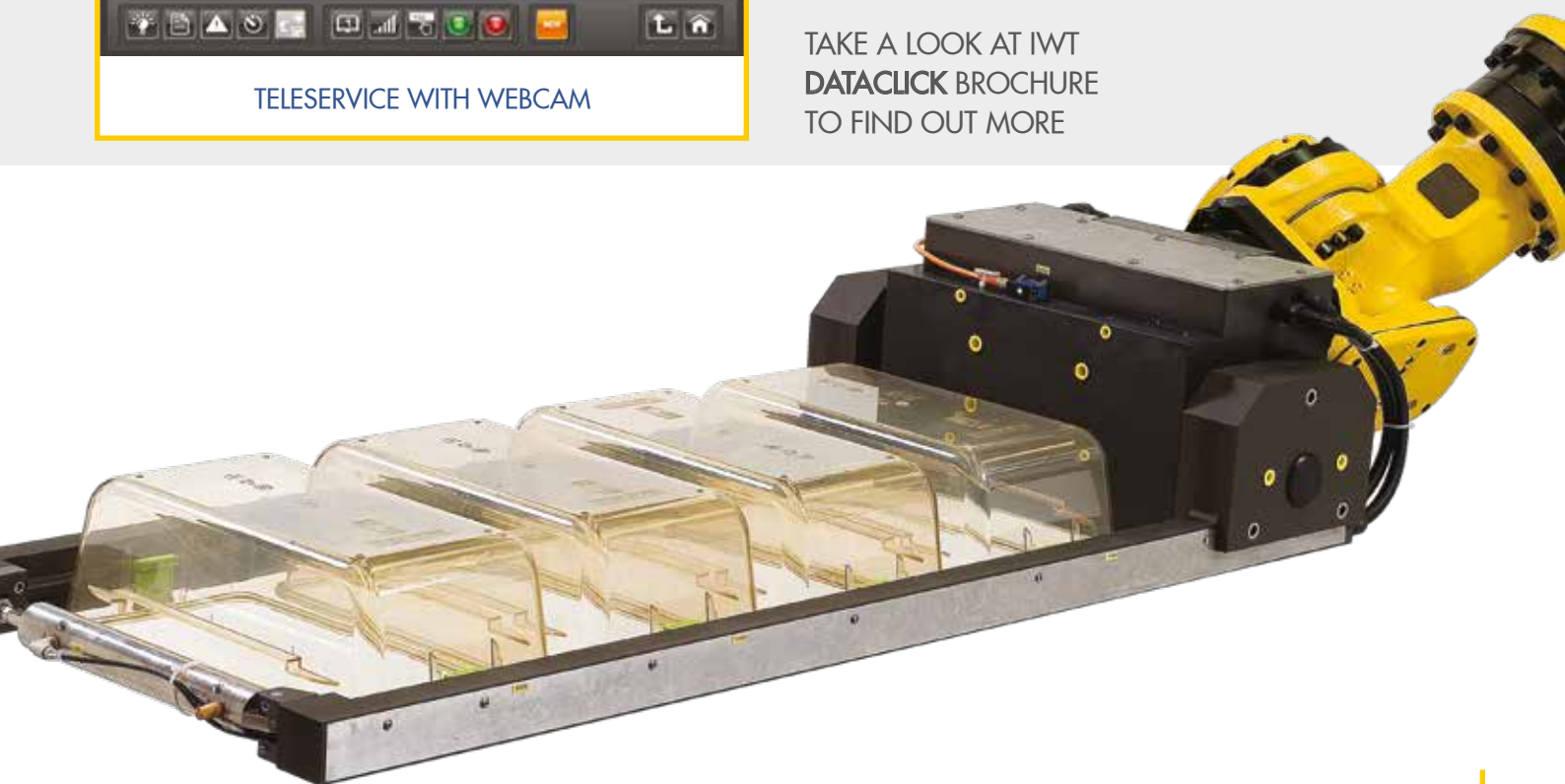
- For existing or new medium-large size vivaria, processing from 4,000 to over 12,000 cages/week
- Combined with IWT ARCADIA Tunnel Washer, it takes care of the entire Dirty and Clean side process guaranteeing full system autonomy
- The Dirty side Pegasus only, integrated with new or existing tunnel washer regardless the manufacturer, is a really cost-effective solution
- Capable of processing all most common type of standard rodent cages available on the market. Miscellaneous baskets allow the washing of IVC tops and various items in an automatic way
- Eliminates the requirement for operators to undertake the most unpleasant and repetitive tasks reducing allergen exposure and enhancing operator ergonomics





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 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 CHANGE



INTEGRAL CAGE HANDLING

Apollo is the first automated system in the industry to process IVC Cages in their integral setup: cage Base, wire Bar lid and top

## APOLLO

FOR INTEGRAL CAGE CHANGE  
AND RACK WASHER

Product features:

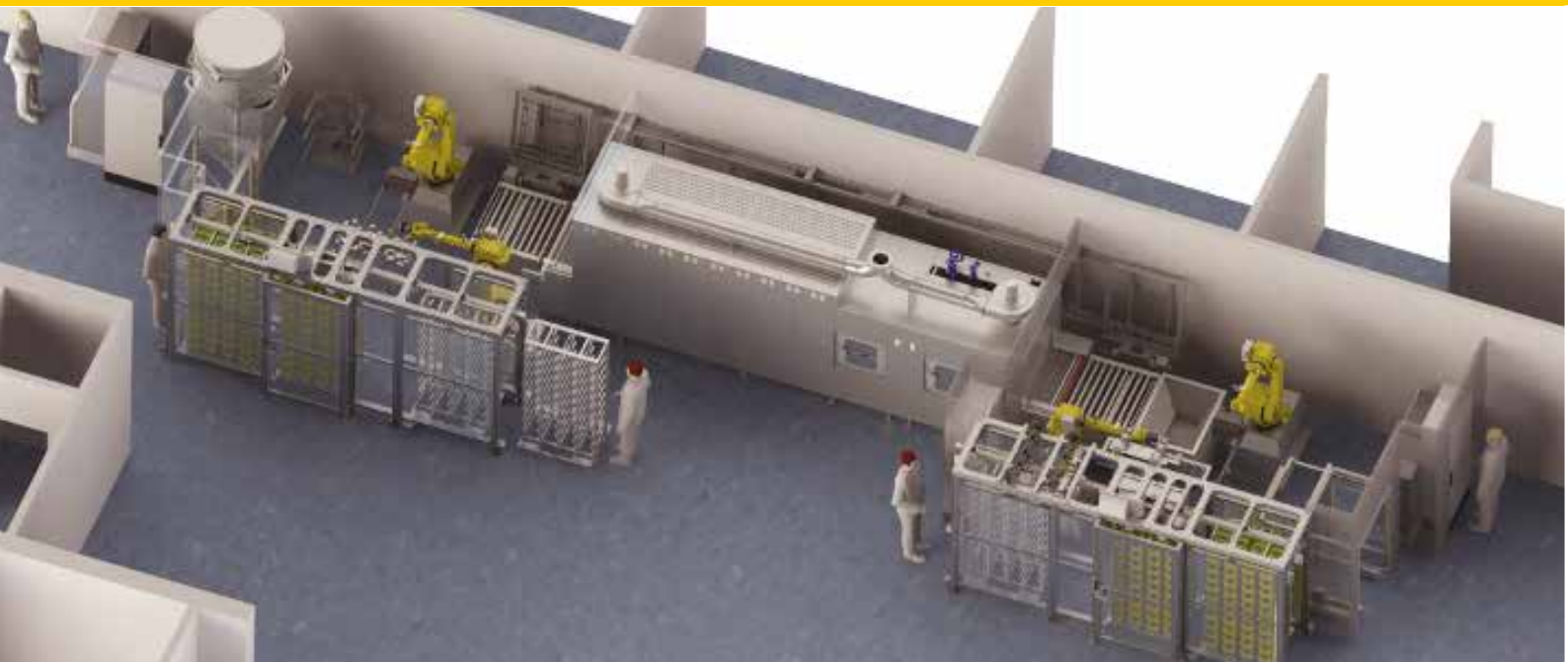
- For existing or new small-medium size vivaria, processing from 2,000 to 5,000 integral cages per week
- Apollo prevents operators' exposure to allergens and avoids non-ergonomic daily operations
- Available in hybrid configuration to handle both integral cages or cage bases only





- 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 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 allows to automatically process also stacks or cage bases, for total flexibility
- Robotic cell footprint: around 25sqm (270sqf)
- Top level allergen containment
- Full process monitored via user-friendly interface



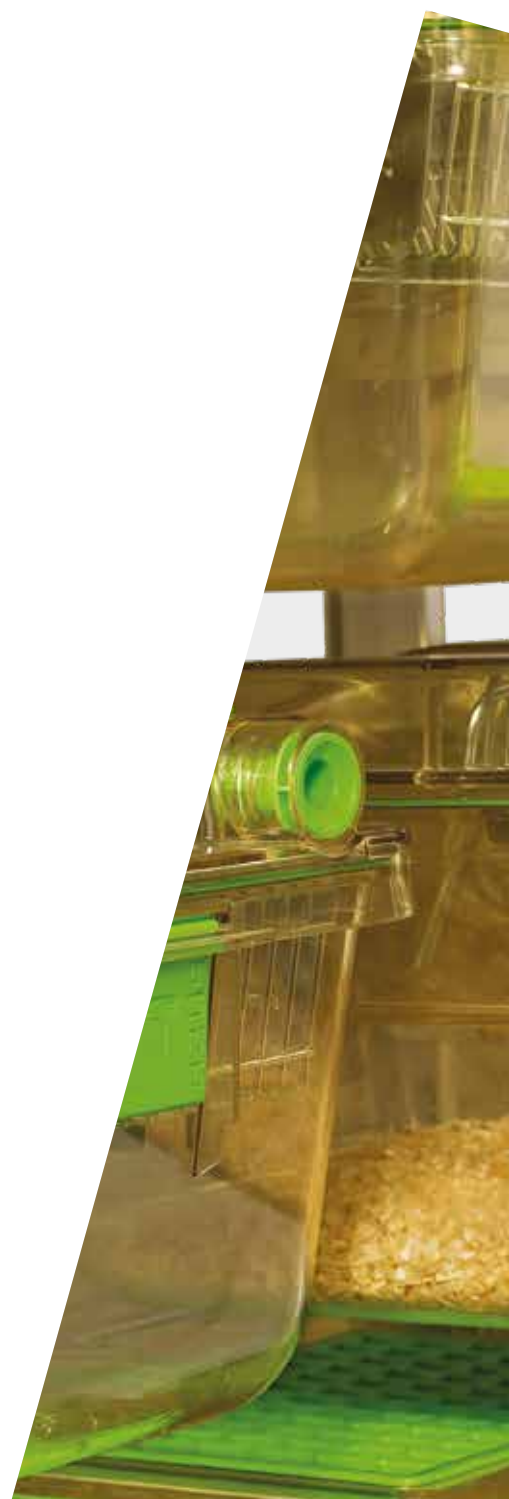


Different  
scrapping  
solutions  
available for  
heavy soil



WASHING PRESENTATION PALLET





**TECNIPLAST**

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ISO 9001

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