

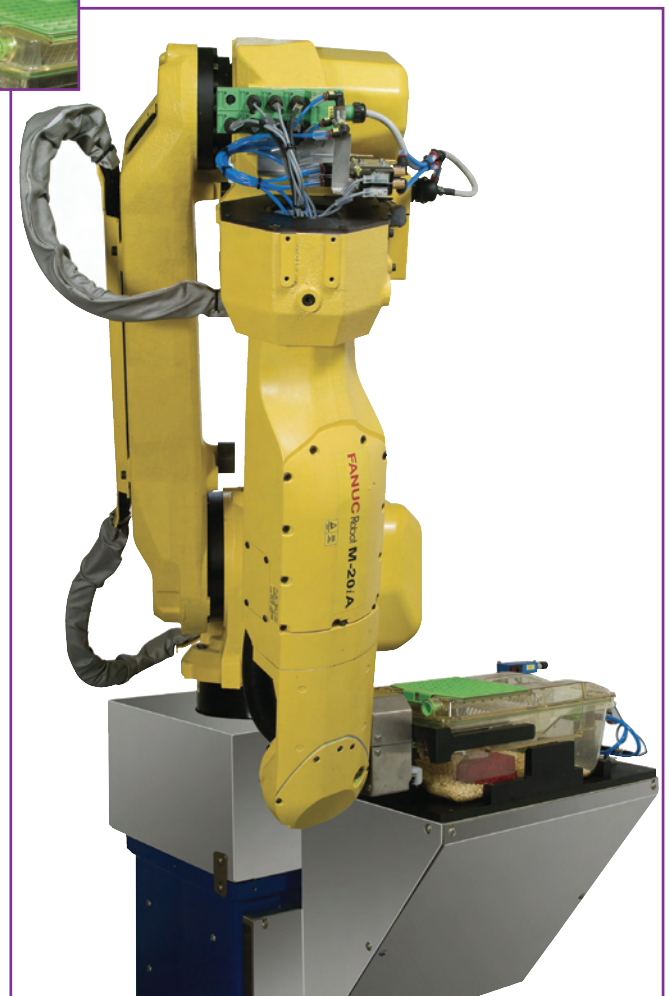


## AUTOMATION

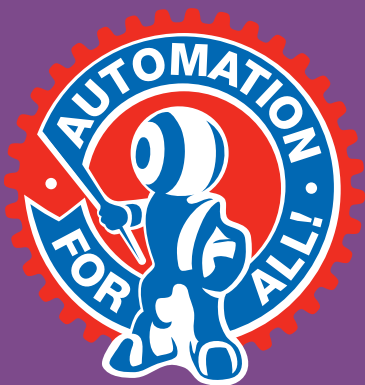
**APOLLO**  
INTEGRAL CAGE HANDLING



- Small footprint
- Revolutionary solution for assembled cages
- Capability to process tops, wire lids and cage bases, regardless of the manufacturer
- Processes up to 150 full cages per hour
- Great reduction of allergen exposure



*"I'm impressed, speechless, this automation is the dream come true for my small facility"*



**iwat**  
a **TECNIPLAST** company

## 1/Introduction & Revolution

Many animal facilities have decided to go through integral cage change as their standard procedure, thanks to the evolution brought about by IVC technology. Riding the same wave generated by Tecniplast years ago, IWT is proud to introduce a revolutionary solution for cage handling automation: APOLLO, a system able to manage not only cage bottoms but full cages, bottoms, tops and wire lids!

APOLLO receives a trolley loaded with dirty assembled cages coming directly from animal rooms, disassembles the cages, dumps waste food and waste bedding and finally loads all the items on to a dedicated presentation rack, ready to be processed in any rackwasher.

## 2/ Patented innovation

An innovative gripper allows the system to handle cage bottoms, tops and wire lids.

A "smart" table, designed for this application, collects information about the cage status (orientation, presence or not of tops and wire lids...).

Dedicated logistic streamlines your material flow, with trolleys designed to move integral cages all around your facility and with presentation racks able to accommodate all the single components in a perfect way for the washing phase.

So the combination of these tools constitutes a consistent and reliable system able to manage integral cages, a system patented and never before seen on the market.

## 3/Footprint & Allergen Protection

The idea of moving trolleys with assembled IVC cages and letting a robot manage them in all the dumping and loading operations, before the washing phase, guarantees top-class allergen protection and reduces practically to zero the level of exposure for the operators.

You could have all this in a cell measuring 2.5x3 m, with a throughput up to 150 cages/hour (450 items)!

### TECHNICAL SHEET

#### Electrical supply

Connection	Robot E-box
Requirements	400V - 50 Hz / 480V 60 Hz three phases + neutral + earth

#### Compressed air

Connection	1/2" Gas
Dynamic pressure	6 bar (87 PSI)
Quality	Filtered, dry and oil free
Consumption	430 NL/min

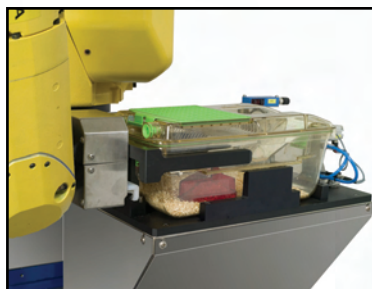


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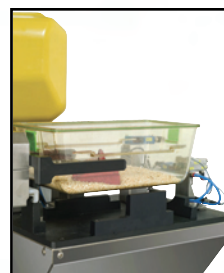
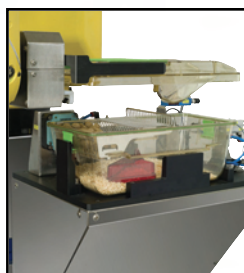
# APOLLO

INTEGRAL CAGE HANDLING

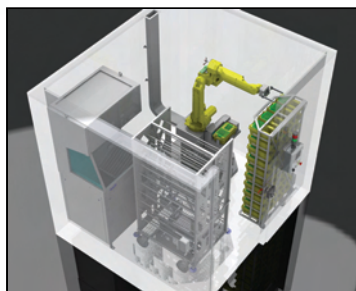
## Introduction & Revolution



## Patented innovation



## Allergen protection



# iwt

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