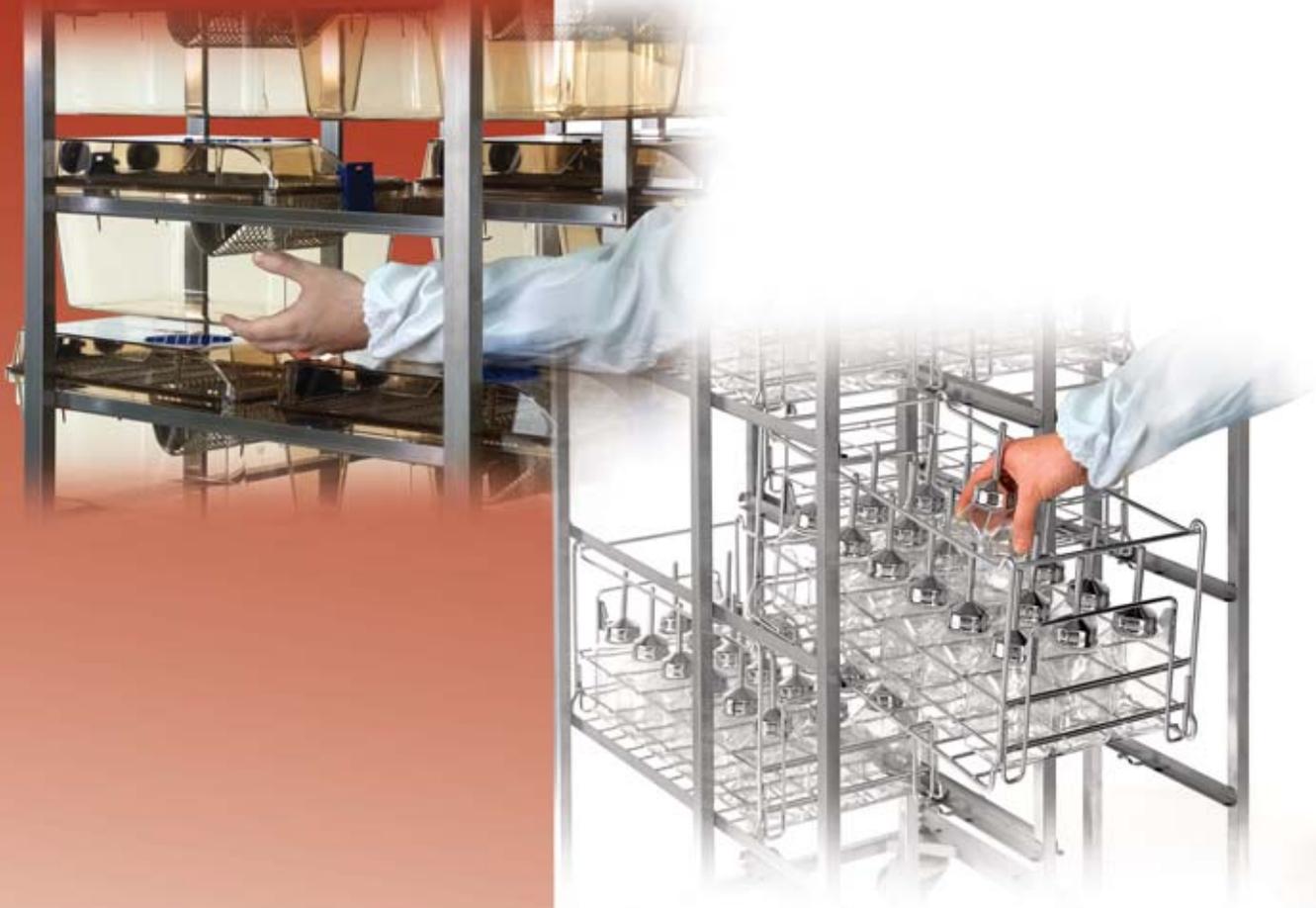# LOGISTIC ACCESSORIES
AND TROLLEYS

- **Remarkable loading capacity whilst user friendly to operate**
- **Complete with covers for safe storage and handling**
- **Suitable for repeated washing and autoclaving cycles**
- **Flexibility to work with different types of cages and bottles**

"Smart but at the same time simple design. My technicians really love them".

LOGISTICS

iwt
a **TECNIPLAST** company

1/ Bottle Crates

Made of AISI 304 electro-polished stainless steel quality wirework, with a capacity of either 24 or 10 bottles (refer to table on the back page for codes and capacities), this traditional IWT bottle crate design features a horizontal slide-in lid, for safe bottle overturn, and low friction plastic feet for smooth sliding along fillers and washers. A few years ago IWT launched a more compact lighter bottle crate, featuring 18 bottle spots and a separate universal pop-down restraining lid. Also made of the finest electro-polished stainless steel wirework, this crate is narrower for a friendly overturn during in-line operation, in particular with our 9WEF01 and 200 series bottle processing systems. They allow a 36 bottle load per each wash/fill cycle whilst reduced weight enhances the overall ergonomics.

2/ Sipper Tube Crate

Purpose designed to support sipper tubes caps in an upright position, complete with horizontal slide-in lid to prevent tilting during wash/handling, code 9LBCC6490. Ideal for individual wash through the orifice of sipper tubes (64 per load). Suitable for use with 200 series wash/fill system or in conjunction with the 400 and 600 series cage and bottle washers. A wire mesh container, code 9LBCMMAGIC, for random cap presentation is also available and can be used with the 9WEF01 bottle handling unit as well as all IWT cage/bottle washers.

3/ Universal Crate

Wire mesh baskets complete with hinged top to randomly accommodate any small size accessory or ancillary used in a facility, such as hoppers, dividers, lids, label holders, reusable enrichment and so on. Available in two different sizes with 260mm height, code 9LBCA003, and with a 150 mm height, code 9LBCA001. To be used in conjunction with 200 series bottle wash/fill line and with 400 and 600 series cage/bottle washers. It is also compatible with our universal presentation rack, Code ACCALS02, for 900 and 900-XL rack washers.

4/ Trolley for Bottle Crates

Transport trolleys are becoming key accessories to provide a suitable logistic solution to your facility requirements. In a modern research facility trolleys need to be as user friendly and ergonomic as possible whilst maintaining a satisfactory loading capacity. Bottles, when filled with water and capped, are quite heavy loads to handle repeatedly and may become a work hazard. That is why IWT successfully introduced a unique trolley design featuring individual drawer style compartments. This allows pulling out crates and picking up bottles with no risk of tilting over. Runners are built with a special nylon coating to reduce friction and allow smooth operation during push and pull. No more lifting and stacking in the rooms! Made of AISI 304 tubular stainless steel, the trolley is autoclavable and features 4 swivel casters (glass reinforced nylon hard coating), two of which are braked. Available for both 24 and 18 bottle crate configuration, with 4 to 6 layers depending upon bottle and crate size and shape, this trolley can take up to 216 bottles. Light design, compact size and good visibility make this trolley ideal for use inside busy animal holding rooms and for "in situ" external bottle change-out.
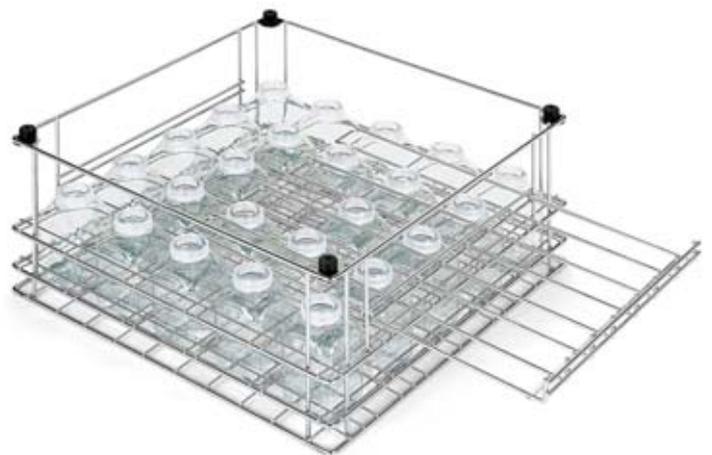
LOGISTICS

Logistic accessories and trolleys

Baskets supporting objects being washed and bottles being emptied/filled are the guarantee of an outstanding washing result. Smart design and good manufacturing standards streamline the logistic process and greatly enhance the ergonomics of these repetitive processes. At IWT no detail is too small and we make sure we provide you with the right tool for all specific requirements. IWT standard bottle crates are designed to work in a seamless integration with Tecniplast bottles and our process lines (see separate catalogue for bottle wash and fill systems) but are also compatible with many different washers and bottle models and brands currently available on the market. Please consult with our local representative and present your bottle issue … we are confident we already have the right solution for you!

Bottle Crates 1

24 bottle crate (Code 9LBCB24400)
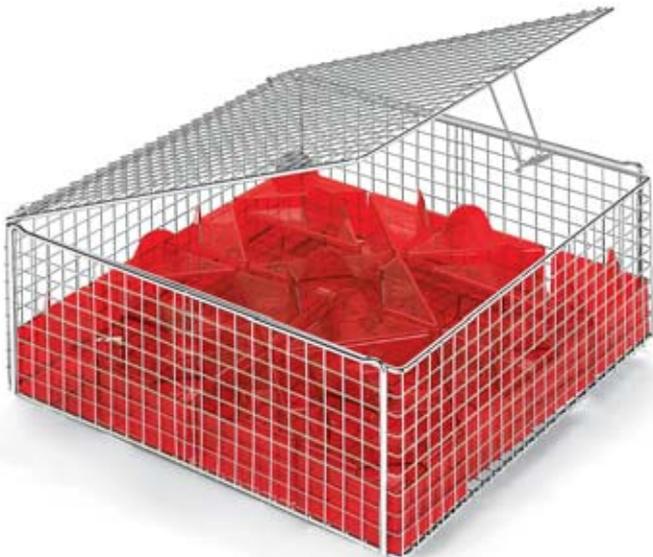
18 bottle crate (Code 9LBCB18263)

Cap crate (Code 9LBCC6490)

Drawer type trolley for 18 bottle crates
(Code ACCACB1036)

Magic crate (Code 9LBCMMAGIC)

Drawer type trolley for 24 bottle crates
(Code ACCACB0524)

TECHNICAL SHEET
Specifications and Dimensions

IWT BOTTLE CRATES			
Code	N° of bottles	Capacity - ml	Overall dimensions (W x L x H) mm / inch
9LBCB24250	24	150 - 200 - 250 - 260	500 x 500 x 215 / 19.7 x 19.7 x 8.5
9LBCB24400	24	400	500 x 500 x 215 / 19.7 x 19.7 x 8.5
9LBCB24501	24	400 - 500 - 700	500 x 500 x 280 / 19.7 x 19.7 x 11
9LBCB18263*	18	200 - 250 - 260 - 340	500 x 267 x 245 / 19.7 x 10.5 x 9.5
9LBCB18403*	18	400	500 x 267 x 245 / 19.7 x 10.5 x 9.5
9LBCB18503*	18	500 - 700	500 x 267 x 295 / 19.7 x 10.5 x 11.6
9LBCB182641*	18	260 - 400	500 x 267 x 245 / 19.7 x 10.5 x 9.5
9LBCA001	-	-	500 x 500 x 150 / 19.7 x 19.7 x 6
9LBCA003	-	-	500 x 500 x 257 / 19.7 x 19.7 x 10
9LBCC6490	-	-	500 x 500 x 145 / 19.7 x 19.7 x 5.7
9LBCMMAGIC**	-	-	500 x 430 x 150 / 19.7 x 17 x 6

* This model comes with a pop-down lid to be ordered separately, Cat. N° 9LBCBACUN3.
** S/s wire mesh crate for bottle caps.
Note: crates of different capacity are available ON DEMAND.

Universal crate (Code 9LBCA003)

5/Covers for Trolleys

In order to provide a high degree of protection to the precious drinking water during transportation and staging, IWT have launched a line of covers for trolleys including the drawer type trolleys for bottle crates. The cover, made of polyester, is washable and autoclavable whilst providing a very high degree of protection (10 micron filtration efficiency). For better ergonomics during daily use, essential for these accessories, our covers are designed to snugly fit on the trolley and have two vertical autoclavable zips at the front.The cover features four unique fasteners which keep the unit attached to the tubular uprights of the trolley and greatly facilitate the job of the technicians during zipping and unzipping. Please consult with our local representative for additional information, availability and code numbers.

6/ Universal Trolleys

Autoclavable stainless steel tubular frame unit, code ACCATM, complete with up to 3 shelves, two of which are adjustable and are to be ordered separately, code ACCATM-R. Shelves are made of a solid sheet top and a tubular rectangular frame which are now welded together. Silicone spacers are fitted in between the shelves and the tubular uprights of the trolley in order to greatly reduce noise level during transportation of empty trolleys. This traditional robust design is suitable for small to medium size and multi-species facilities where many different loads are present and flexibility is the first priority. Available also in a different configuration, code ACCATG, featuring 3 fixed slanted inclined shelves and rear panels for safer holding during long distance transportation. Ideal for integral cage set-up transportation where lack of nesting may lead to unstable stacks. Both units are available in different sizes (depths and height) in order to fit different autoclave chambers and therefore optimise their operating efficiency.

7/Wire Mesh Trolley

This highly flexible, compact unit, code ACCATMWM, is designed to effectively accommodate any type of load and cage sizes. The rear panel and the two side walls, made of a tubular frame and a wire mesh net, create a practical lightweight "barrier" to the tall loads and at the same time greatly enhance visibility during transportation down the hallways. The lower base features an autoclavable friction-free plastic shelf resulting in a light unit and a much more silent operation during loading and unloading (very important in animal holding rooms). Complete with four swivel wheels, two of which are braked.

An intermediate flip-over shelf, constructed the same way as the lower base and available separately, code ACCATMWM-S, allows to create two separate compartments as, for instance, may be required in the case of cage autoclaving. The front doors, hinged with a 280° opening, are also made of a stainless steel tubular frame and a wire mesh net. These are highly advisable options, code ACCATMWM-D for the set of two, when these trolleys are used for integral cage set-up transportation and when therefore fabric covers are not required. This trolley comes as standard in one piece but on demand can be dismounted and delivered flat with remarkable savings in shipment costs.

8/Cover for Wire Mesh Trolleys

Clean and sterile cages, if not transported as an integral set-up, require, during staging or transportation to the rooms, a high degree of protection from the environment and from contact with people. At the same time technicians do require to be protected from the allergens and/or airborne contaminants generated within the soiled cages as they go back to the washing area.   Therefore, IWT have purposely developed a cover for this wire mesh trolley. The cover, code ACCATM-C, made of polyester, is washable and autoclavable whilst providing a very high degree of protection (10 micron filtration efficiency). For a better ergonomic during daily use, which is essential for these accessories, our covers are designed to snugly fit on the trolley and have two vertical autoclavable zips at the front. The cover also features four unique fasteners (see picture at the side) which keep the unit attached to the tubular uprights of the trolley and greatly enhance the job of personnel during zipping and unzipping! Other trolleys have been developed for holding and transporting various items such as rabbit cages, trays, detergent drums, diet containers, etc. Please consult with our local representative for more information and feel free to present your logistic requirements.
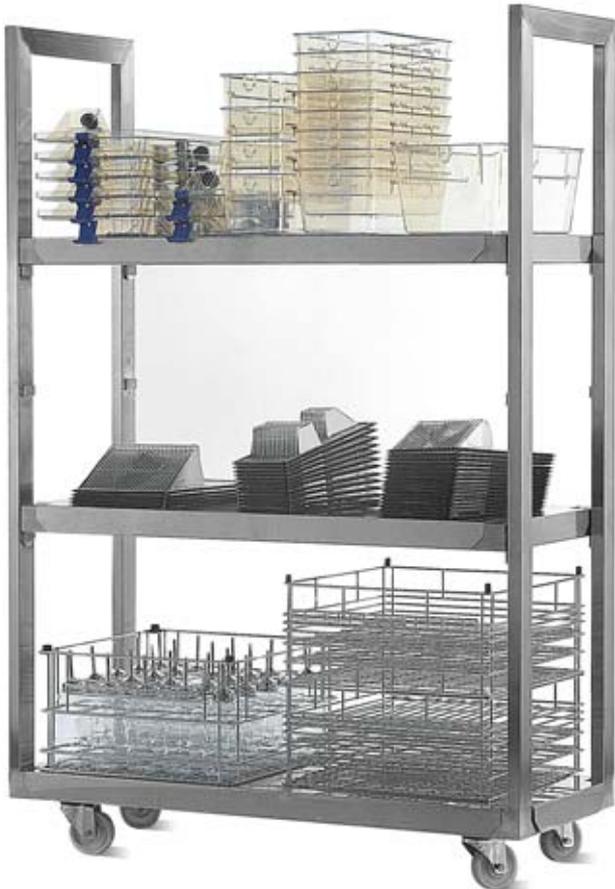
Trolley with cover (Code ACCACB01)

Partially opened cover

ACCATMWM with doors (for integral change)

Universal trolley with two adjustable solid sheet shelves (Code ACCATM01)

Universal trolley with fixed shelves (Code ACCATG01)

ACCATMWM with cover and no doors (cage base change)

9/Integral Cage Set-up Trolley

Extremely high cage density transportation trolley, normally double sided, used for holding in separate spots complete cage set-ups (base, lids and top together). Suitable in particularly for large size single species facilities where the integral cage setup change-over is frequently used, with a view to assuring a better environment control (both in the rooms and corridors) and a safer cage microenvironment during transportation. This very light, compact design is based on the IVC rack concept and features stainless steel front-to-back continuous runners, enabling easy individual cage access and from one side only, without turning the unit around. Washable and autoclavable, this rack/trolley is equipped with four swivel casters, two of which are braked. Available in different sizes and configurations, depending upon the selected cage model/brand and the size of the autoclave. Please consult with our local representative for additional information, technical drawings and catalogue numbers.

10/Cage Base Pallet Trolley

This Manual Cage Transport Trolley is designed to optimize the material flows through the facility as well as the handling in the rooms during procedures of Cage Base Change only and in the washing area during waste disposal. Also for facilities that do not have or are not considering robotic systems in the washing area. The trolley is compact, completely made of tubular stainless steel, provided with 4 pivoting nylon wheels and autoclavable.

Integral Cage Set-up Trolley 9

Cage Base Pallet Trolley 10

Pallet trolley (Code: 9CASUTTRMT1)

Pallet trolley with allergen lid
(Lid code: 9CASUTTRMT1L)
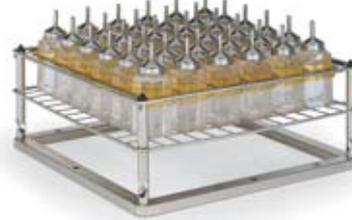
11/Logistics for Automated Systems

Our solutions for bottle and cage automated processing systems, **Kronos™**, **Pegasus™** and **Ares™** respectively, require the implementation of purpose logistic accessories compatible with the robotic and conveyor technologies whilst providing effective and ergonomic solutions for material handling in the wash area as well as in the rooms where space is always limited and flow of material congestioned. That is why we have designed very compact high density trolleys, interfaceable to conveyors without any fork-lift.

These trolleys can also be interlinked during transportation forming a train-type set-up and can also be used with traditional manual or semi-automated washing systems.

Please consult with our local representatives for more details and refer to the next page for codes and transportation capacities.

Kronos bottle crate   Individual trolley for Kronos (Code 9BATMTT)

TECHNICAL SHEET
Automation Trolleys: Cage Loading Capacity

9CASXTUTTRM*

Cage type	Cage per column	Columns	Total number of cage bodies
Type I	12	4	48
Type II	20	4	80
Type III	15	2	30
Type IV	10	1	10

* Overall dimensions (W x L) mm / inch: 935 x 465 / 36,8 x 18,3

9CASUTTRMT1*

Cage type	Cage per column	Columns	Total number of cage bodies
GM500	20	3	60
GR900	18	2	36
DCC915	15	3	45

* Overall dimensions (W x L x H) mm / inch: 860 x 500 x 280 / 33.8 x 19.7 x 11

SPECIFICATIONS AND DIMENSIONS

LOGISTICS FOR KRONOS

Code	Details	Suits Bottle Grad. Vol ml	Overall dimensions (W x L x H) mm / inch
9BATBC25260	25	250 - 260	500 x 500 x 225 / 19.7 x 19.7 x 9
9BATBC36260	36	260	500 x 500 x 225 / 19.7 x 19.7 x 9
9BATBC25400	25	400	500 x 500 x 232 / 19.7 x 19.7 x 9
9BATBC25500	25	500 - 700	500 x 500 x 292 / 19.7 x 19.7 x 11.5
9BATMTT	Trolley for up to 100 bottles	-	570 x 570 x 350 / 22.5 x 22.5 x 13.8

LOGISTICS FOR PEGASUS

Code	Details	Available rows	Overall dimensions (W x L x H) mm / inch
9CASXTUTTRM*	Trolley	-	Consult us
9CASUPRU7	Transport rack for lid and tops	7 (without docking)	750 x 1050 x 2000 29.5 x 41.3 x 78.7
9CASUPRL7	Transport rack for lid and tops	7 (with docking)	750 x 1050 x 2000 9.5 x 41.3 x 78.7
9CASUPRU6	Transport rack for lid and tops	6 (without docking)	750 x 1050 x 2000 29.5 x 41.3 x 78.7
9CASUPRL6	Transport rack for lid and tops	6 (with docking)	750 x 1050 x 2000 29.5 x 41.3 x 78.7

LOGISTICS FOR ARES

Code	Details	Overall dimensions (W x L x H) mm / inch
9ARUTTRUNI	Universal transport trolley	Consult us
9ARLIDUNI	Drop-in allergen lid	Consult us
9ARUPRUNI	Presentation rack	Consult us

* This model comes with a drop-in lid to be ordered separately, Cat. N° 9CASLID.

Individual trolley fo Pegasus (Code 9CASXTUTTRM)

Lid presentation rack with docking (Code 9CASUPRL7)

Train of interlinked trolleys for Pegasus

Docking of a trolley to lid transportation rack

Presentation Rack for automation (Code 9ARUPRM01)

ACCATM01*		
Cage type	Cage bodies per shelf	Total number of cage bodies
Type I	45 + 54 + 54**	153
Type II	54 + 66 + 66**	186
Type III	25 + 30 + 30**	85
Type IV	9 + 9 + 9**	27

* Overall dimensions (W x L x H) mm / inch: 1250 x 500 x 1858 / 49,2 x 19,7 x 73
** Based upon FIXED BOTTOM + 2 INTERMEDIATE SHELVES

ACCATG01*				
Cage type	Complete cages per shelf	Total number of complete cages	Cages bodies per shelf	Total number of cage bodies
Type I	16 + 24 + 24	64	45 + 63 + 63	171
Type II	12 + 18 + 18	48	48 + 66 + 66	180
Type III	4 + 8 + 8	20	16 + 24 + 24	64
Type IV	6 + 6 + 6	18	6 + 12 + 12	30

* Overall dimensions (W x L x H) mm / inch: 1250 x 500 x 1850 / 49,2 x 19,7 x 73

ACCATMWM01*			
Cage type	Total number of complete cages	Cages bodies per shelf	Total number of cage bodies
Type I	56	63 + 63**	126
Type II	48	96 + 96**	192
Type III	24	36 + 36**	72
Type IV	12	10 + 10**	20

* Overall dimensions (W x L x H) mm / inch: 1040 x 750 x 1800 / 41 x 29,5 x 71
** Based upon FIXED BOTTOM + INTERMEDIATE SHELF

SPECIFICATIONS AND DIMENSIONS

IWT CRATE TROLLEYS				
Code	N° of layers	N° of bottles	Suitable Crates	Overall dimensions (W x L x H) mm / inch
ACCACB1236	6	216	9LBCB18263 - 9LBCB18403 - 9LBCB182641	606 x 700 x 1715 / 24 x 27.5 x 67.5
ACCACB1036	5	180	9LBCB18263 - 9LBCB18403 - 9LBCB182641	606 x 700 x 1460 / 24 x 27.5 x 57.5
ACCACB0836	4	144	9LBCB18503	606 x 700 x 1450 / 24 x 27.5 x 57
ACCACB0524	5	125	9LBCB24250 - 9LBCB24400	546 x 700 x 1420 / 21.5 x 27.5 x 57
ACCACB0424	4	100	9LBCB24501	546 x 700 x 1450 / 21.5 x 27.5 x 57

Related Products

To maximise operational efficiency and learn more about these products contact your local representative.

900 Series Rack Washer. Designed specifically to meet the throughput needs of medium to large size facilities, these machines will live up to your highest expectations in terms of maximum cleaning efficiency, safety, environmental impact and quality construction.

Pegasus: the most reliable, versatile automated cage processing system for modern laboratory animal facilities housing large numbers of valuable rodents.

Ares: the most reliable, flexible semi-automated cage-handling system for medium-small laboratory animal facilities housing valuable rodents.