

RETURNABLE PACKAGING AND WIP

INTRALOGISTICS AND SUPPLY CHAIN



PIBRÄ

RETURNABLE PACKAGING & WIP

The experience of PIBRA allows us to develop **Returnable Packaging & Wip** adapted to the different workstations and for different types of materials, such as plastic, metal or glass parts. We develop complex equipment according to all the norms of transport and packaging of materials with the highest levels of safety, productivity and handling. Our equipment can be produced separately or in interconnection with other stock equipment or transfers, such as shopstockers, warehouses and others.

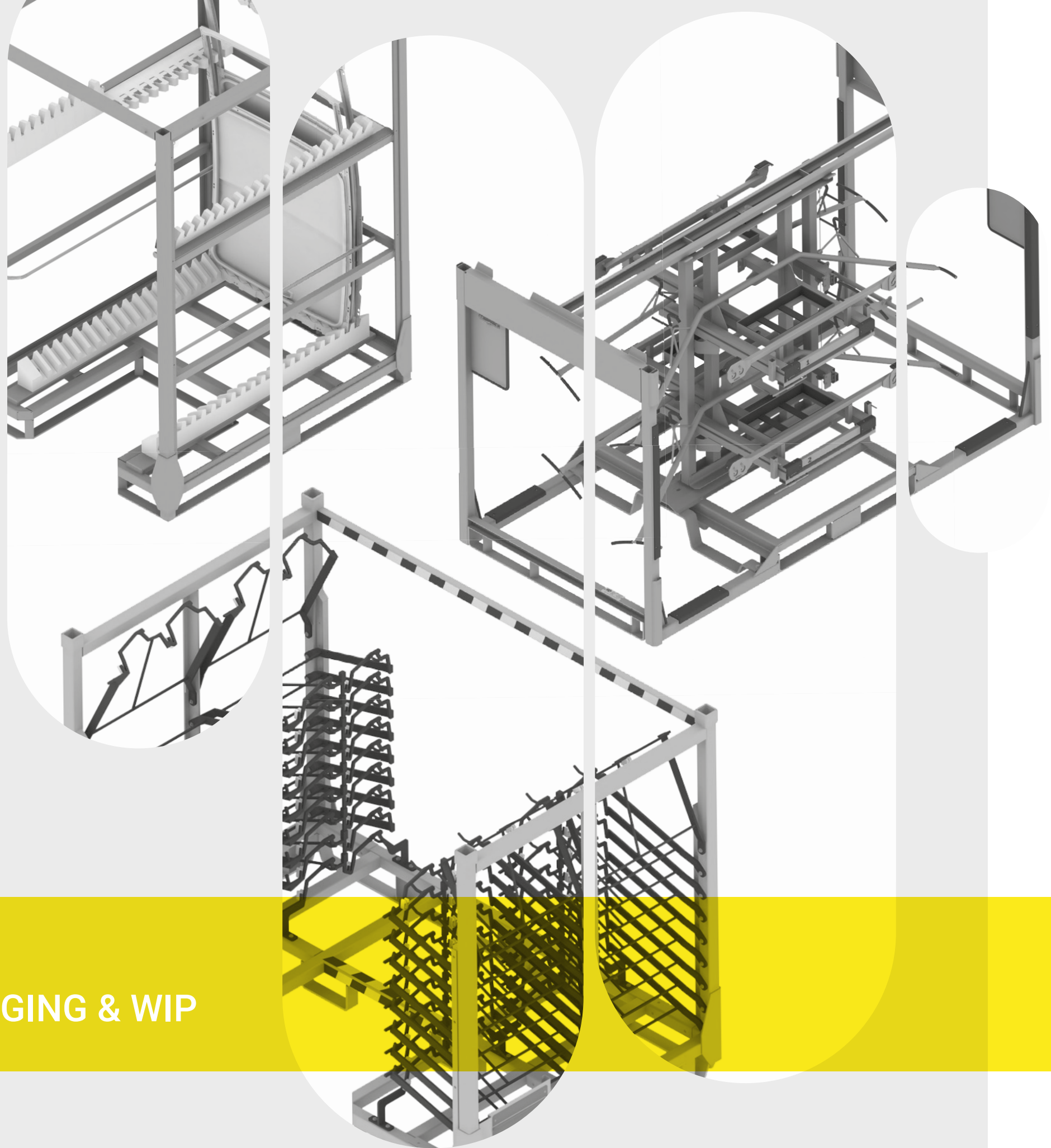
INDEX

RETURNABLE PACKAGING & WIP

CONTAINERS 6

WAGONS 16

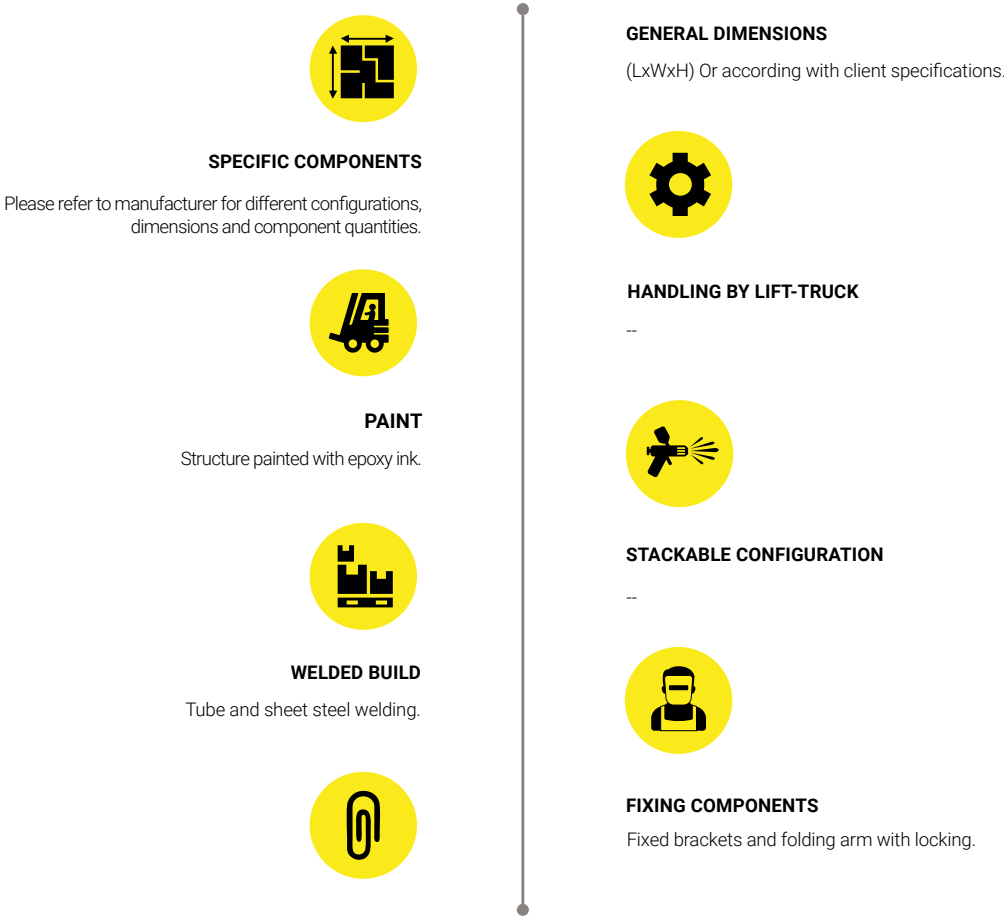




CONTAINERS
RETURNABLE PACKAGING & WIP

GLASS COMPONENT CONTAINER

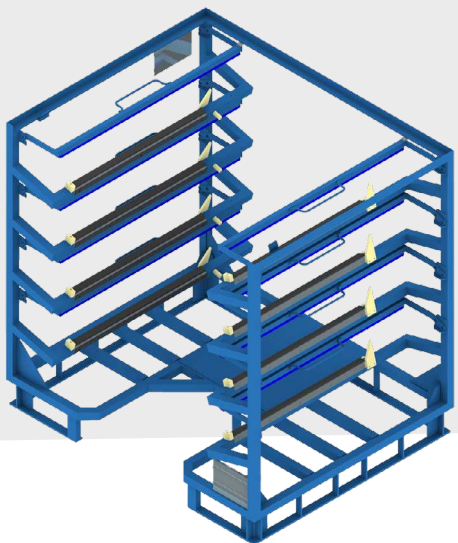
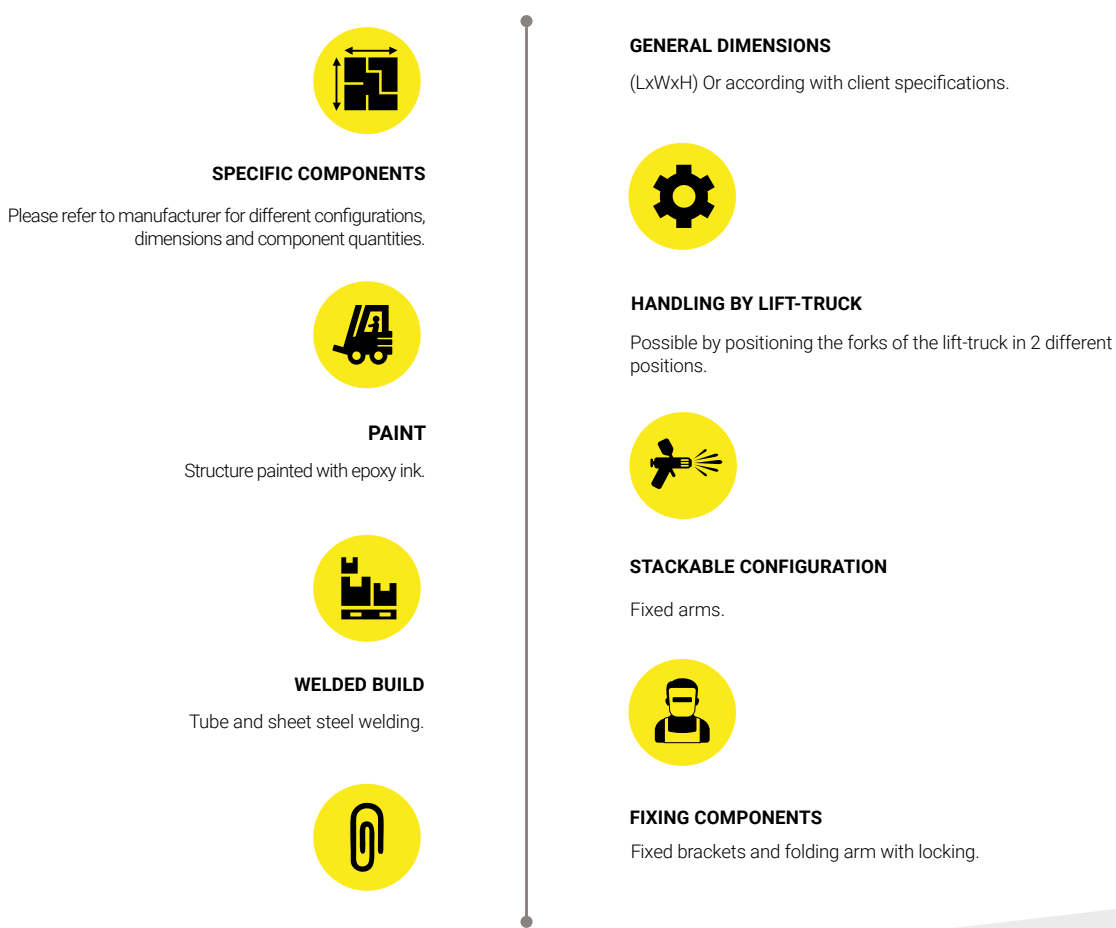
The **glass component container** is a metal container for the supply and transport of a mix of glass components. The components to be packed shall be arranged on 3 fixed supports lined with staggered rubber plates. The fastening is achieved by a folding arm, coated with a rubber brush, and the locking is by spring positioners. The container is stackable and can be moved by forklift truck.



CONTAINER FOR STAMPED SHEET METAL COMPONENTS

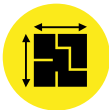
The metal container for stamped sheet metal components is used for the packaging and transport of specific metal components in stamped and painted sheet metal. The arrangement of the components is made on the fixed supports covered with polyurethane plates, the fixing being guaranteed by means of rubber-covered folding arms.

The structure of the container is developed so that the operator can enter inside to perform loading and unloading operations of the components. The container can be moved by a stacker and is stackable.



CONTAINER FOR STORAGE AND CARRIAGE OF BUMPERS

Metallic container for storage and carriage of bumper components. The components to be packed will be placed on top of reinforced metallic rods. The locking of the components is made with the use of foldable metallic arms.



SPECIFIC COMPONENTS

Please refer to manufacturer for different configurations, dimensions and component quantities.



PAINT

Structure painted with epoxy paint as per client specifications.



WELDED BUILD

Tube and sheet steel welding.

GENERAL DIMENSIONS

(LxWxH) Or according with client specifications.



HANDLING BY LIFT-TRUCK

Possible by positioning the forks of the lift-truck in 2 different positions.



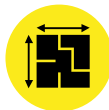
STACKABLE CONFIGURATION

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CONTAINER FOR BUMPERS

Container for provisioning according to the synchronous supply of a mix of models of bumpers. The components are packaged in media designed to accommodate various models. In order to ensure the synchronism of the components supply, their supports are placed on a system of manual rotation in carousel. The container is stackable and can be moved by a stacker.



SPECIFIC COMPONENTS

Please refer to manufacturer for different configurations, dimensions and component quantities.



PAINT

Structure painted with epoxy paint as per client specifications.



GENERAL DIMENSIONS

(LxWxH) Or according with client specifications.



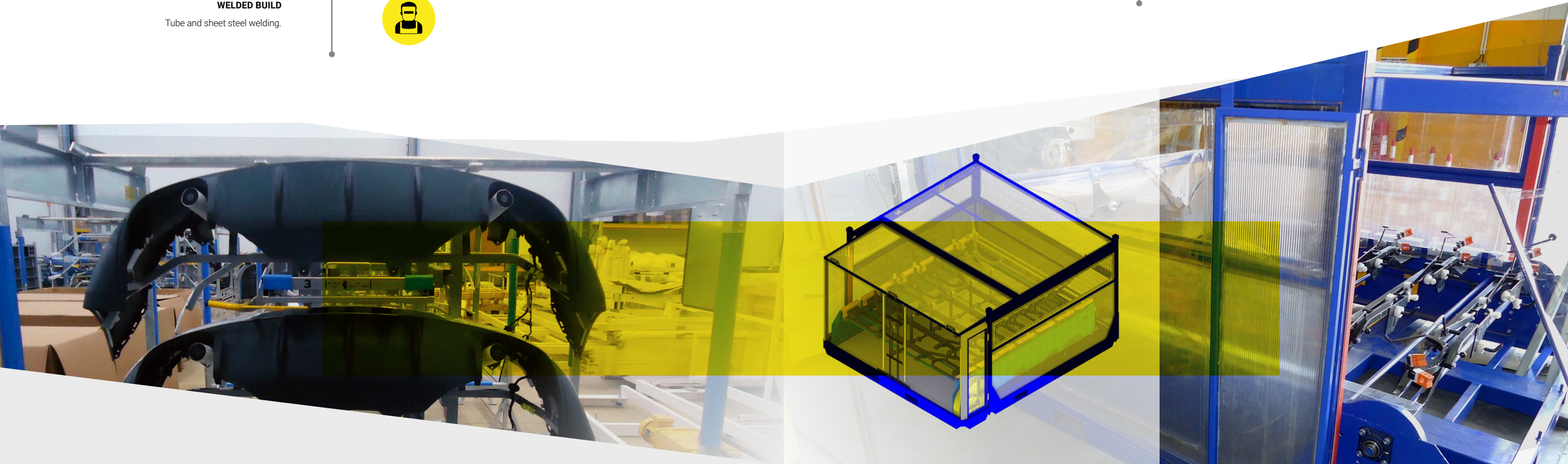
HANDLING BY LIFT-TRUCK

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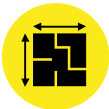
STACKABLE CONFIGURATION

Structure with fixing brackets of components arranged on a carousel for movement / rotation with manual operation.



CONTAINER FOR STORAGE AND CARRIAGE OF BUMPERS

Metallic container developed for the provision and transport of specific **injected components**. The arrangement of the components to be conditioned is made on reinforced metal supports. The locking of the components takes place by means of folding metal arms. Product with possibility of being moved by stacker and stackable.



GENERAL DIMENSIONS
(LxWxH) Or according with client specifications.



SPECIFIC COMPONENTS
Please refer to manufacturer for different configurations, dimensions and component quantities.



HANDLING BY LIFT-TRUCK
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PAINT
Structure painted with epoxy paint as per client specifications.



STACKABLE CONFIGURATION
Stackable with folding arms.



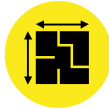
WELDED BUILD
Tube and sheet steel welding.



STRUCTURE
Metallic with supports and spring system.

FOLDING CONTAINER

The **folding container** is developed for the provision and transport of tailgate doors. The arrangement of the components to be conditioned is made on reinforced metal supports. The locking of the components takes place by means of folding metal arms. Product with possibility of being moved by stacker and stackable.



GENERAL DIMENSIONS
(LxWxH) Or according with client specifications.



SPECIFIC COMPONENTS
Please refer to manufacturer for different configurations, dimensions and component quantities.



HANDLING BY LIFT-TRUCK
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PAINT
Structure painted with epoxy paint as per client specifications.



STACKABLE CONFIGURATION
Stackable with folding arms.



WELDED BUILD
Tube and sheet steel welding.



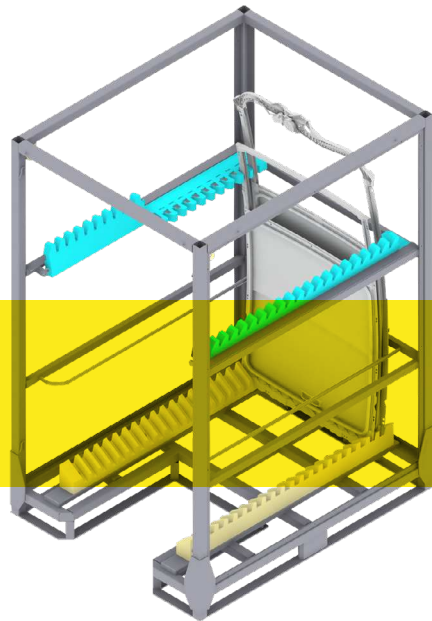
STRUCTURE
Metallic with supports and spring system.



TIPPING COLLECTION CONTAINER

The **tipping collection metal container** is an equipment for packaging and transporting a mix of metal components with variable configurations. The arrangement of the components and the fixing of them is made on staggered fixed supports and individual folding supports constructed of polyamide. The operator who performs the loads and discharges of the components is able to pass into the interior.

The **container** is prepared for outdoor weather conditions and is coated on the side walls with polycarbonate alveolar and roof in galvanized steel sheet. The door is in PVC crystal screen with handle and spring winder. Note that the container can be moved by a stacker.



GENERAL DIMENSIONS
(LxWxH) Or according with client specifications.



SPECIFIC COMPONENTS
Please refer to manufacturer for different configurations, dimensions and component quantities.



PAINT
Structure painted with epoxy paint.



WELDED BUILD
Tube and sheet steel welding.



HANDLING BY LIFT-TRUCK
Possible by positioning the forks of the truck in 2 different positions.



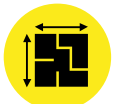
FIXING OF COMPONENTS
Fixed and folding brackets in polyamide with interlocking.



CLIMATIC CONDITIONS
Container able to withstand external climatic conditions.

CONTAINER CONDITIONER

The **packaging container** is a metal pallet, constructed in flexible structure and with adjustable arrangement of the locking rods for the packing and transport of cut sheets for stamping. The base of the pallet is constructed to allow the forks of the stacker to enter, so there is a possibility of stacking.



GENERAL DIMENSIONS
(LxWxH) Or according with client specifications.



SPECIFIC COMPONENTS
Please refer to manufacturer for different configurations, dimensions and component quantities.



PAINT
Structure painted with epoxy paint.



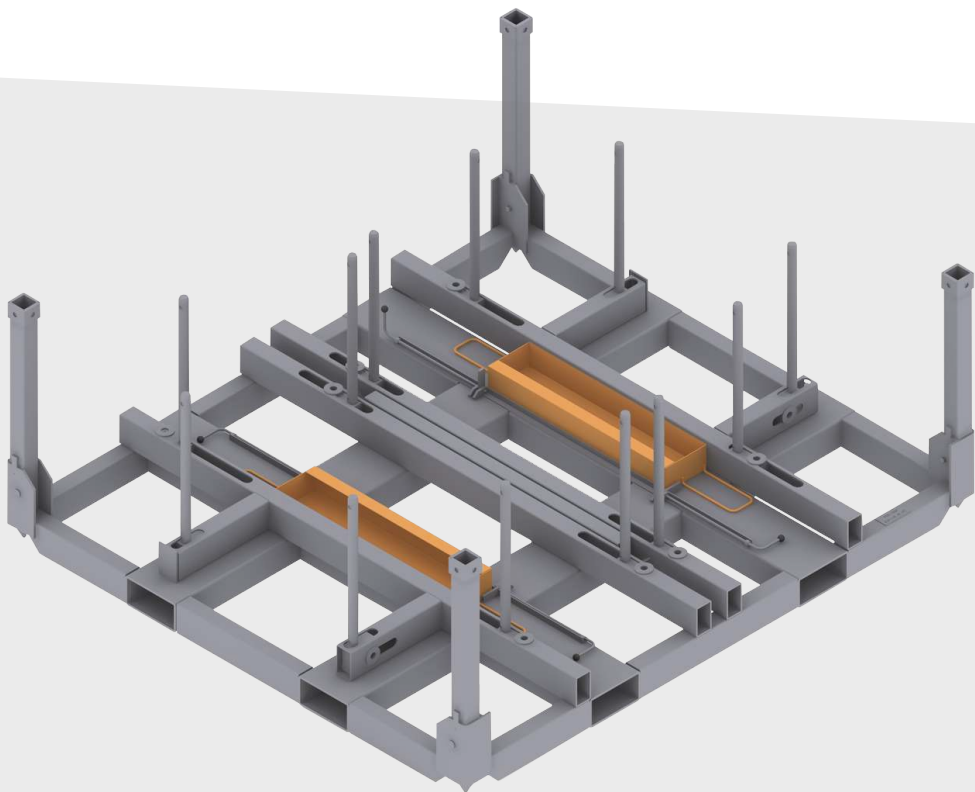
WELDED BUILD
Tube and sheet steel welding.

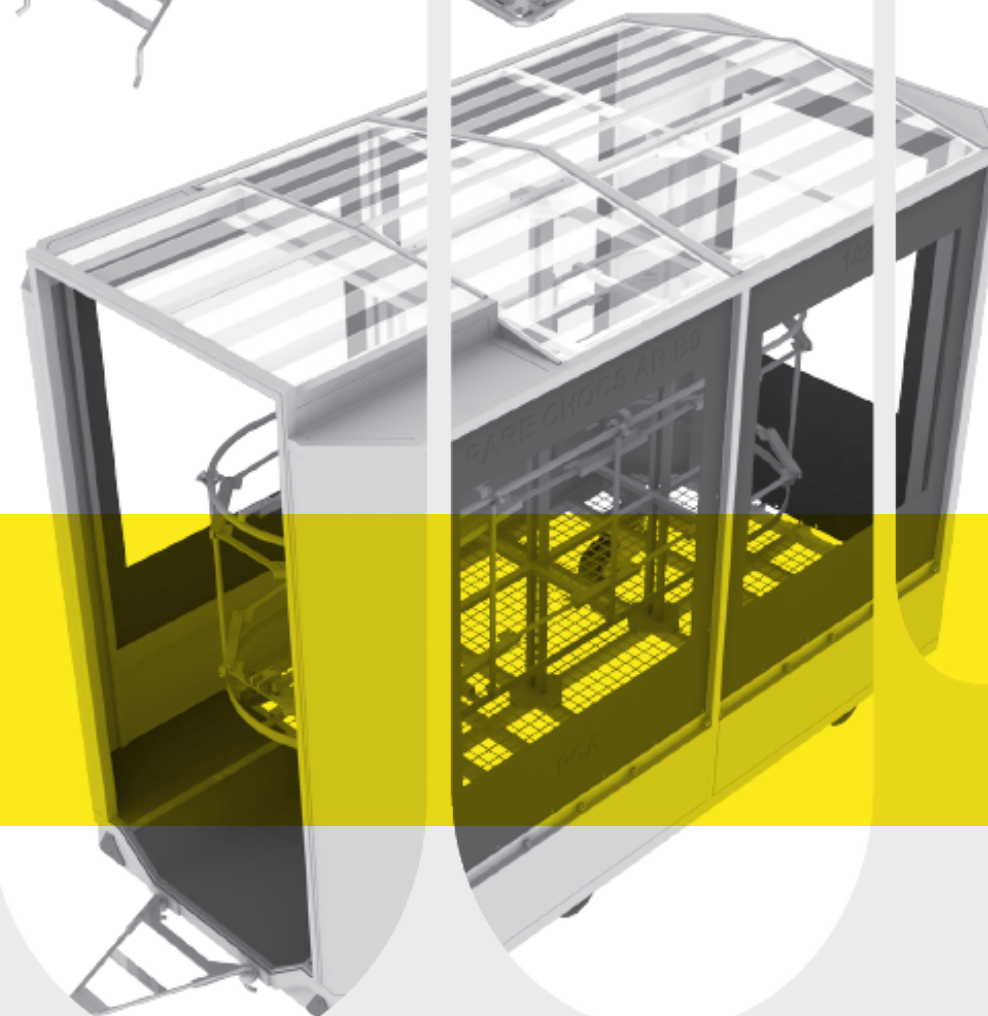
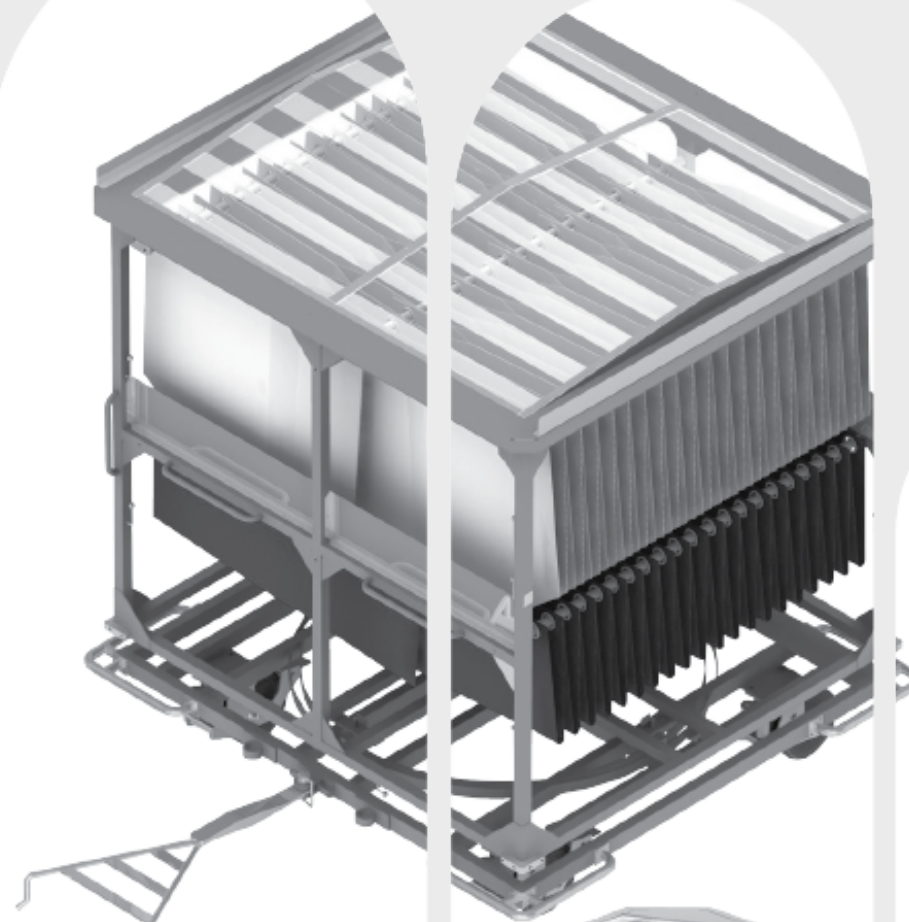
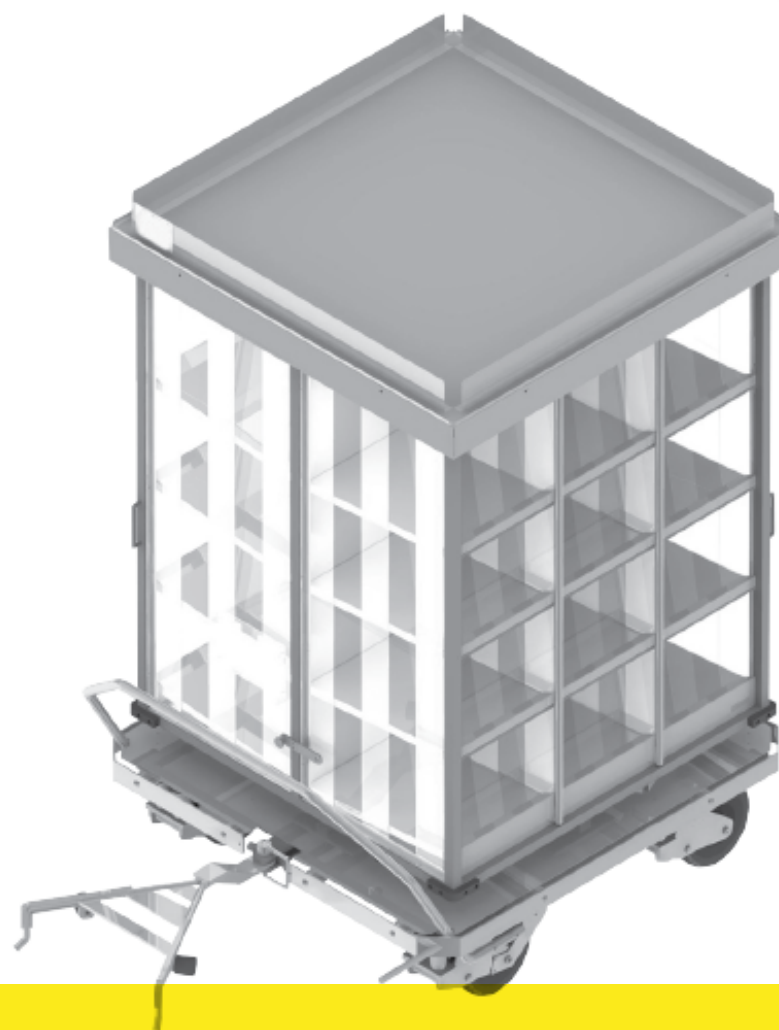


HANDLING BY LIFT-TRUCK



STACKABLE CONFIGURATION

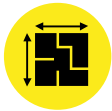




WAGONS
RETURNABLE PACKAGING & WIP

ELECTRIC COMPONENT TRANSPORT WAGON

Wagon with individual alveoli, built in metal structure and with alveolar polycarbonate separators, for **transportation and synchronous supply of electrical components**. The **wagon** has 2 useful loading and unloading fronts with rotation system of the alveoli structure and pedal brake. The equipment also has a handle for manual movement and is prepared to circulate outdoors, since it has a cover in sliding canvas on slides, bumpers and signage.



SPECIFIC COMPONENTS

Please refer to manufacturer for different configurations, dimensions and component quantities.



PAINT

Structure painted with epoxy paint as per client specifications.



WELDED BUILD

Tube and sheet steel welding.



COVER

Sliding canvas cover on slides.

GENERAL DIMENSIONS

(LxWxH) Or according with client specifications.



CASTORS

D.250mm with suspension.



HANDLING SYSTEMS

Wagon-type drive with tractor drive.



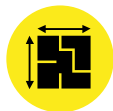
ROTARY STRUCTURE

With alveoli for placement of components.



ELECTRIC COMPONENT TRANSPORT WAGON

Wagon for **transport** and synchronous supply of **glasses**. The components are packed in individual wells made of PVC tarpaulin with polyamide separators. The **wagon** has 2 useful loading and unloading fronts, with rotation system of the alveoli structure and brake pedal. The equipment also has a handle for manual movement and is prepared to circulate outdoors, with cover in polycarbonate alveolar, bumper and signage.



SPECIFIC COMPONENTS

Please refer to manufacturer for different configurations, dimensions and component quantities.



PAINT

Structure painted with epoxy paint as per client specifications.



WELDED BUILD

Tube and sheet steel welding.



COVER

In polycarbonate honeycomb board.

GENERAL DIMENSIONS

(LxWxH) Or according with client specifications.



CASTORS

D.250mm with suspension.



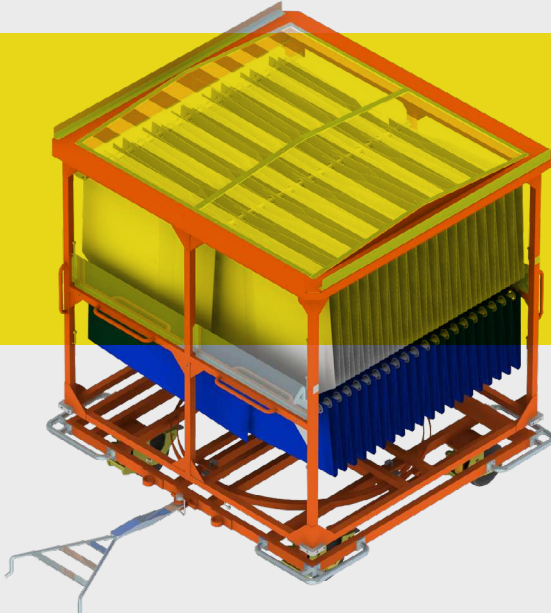
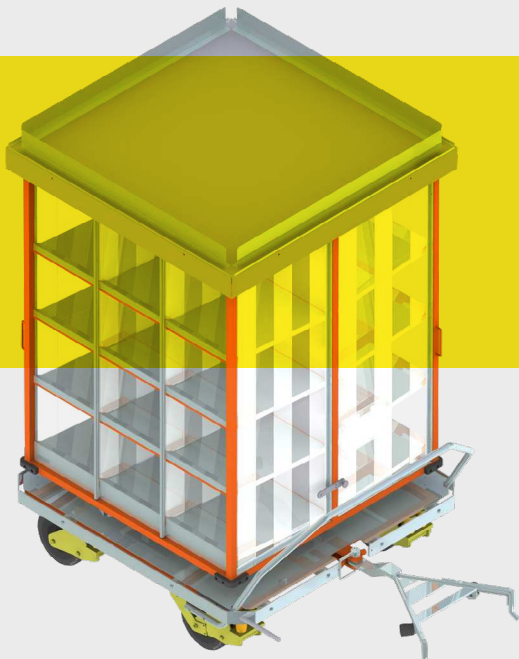
HANDLING SYSTEMS

Wagon-type drive with tractor drive.



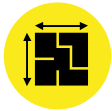
ROTARY STRUCTURE

With PVC canvas alveoli for component placement.



WAGON OF TRANSPORT OF BUMPERS

Wagon for **transport** and synchronous supply of a mix of models of **bumpers**. The components are packaged in brackets designed to accommodate different models. In order to ensure the synchronism of the components supply, their supports are placed on a system of manual rotation in carousel. The **wagon** also has a handle for manual movement and is prepared to circulate outdoors, with alveolar polycarbonate covers and tarpaulins, bumper and signage.



GENERAL DIMENSIONS
(LxWxH) Or according with client specifications.



CASTORS
D.250mm with suspension.



HANDLING SYSTEMS
Wagon-type drive with tractor drive.



ROTARY STRUCTURE
With alveoli for placement of components.

SPECIFIC COMPONENTS

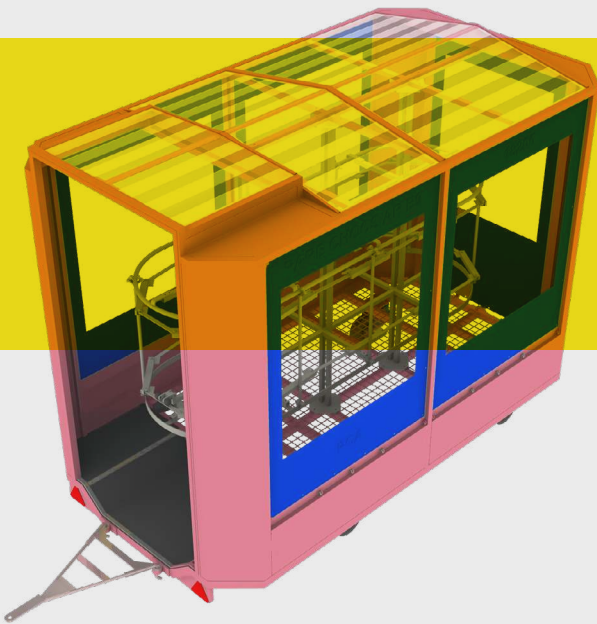
Please refer to manufacturer for different configurations, dimensions and component quantities.



PAINT
Structure painted with epoxy paint as per client specifications.

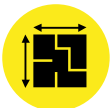


WELDED BUILD
Tube and sheet steel welding.

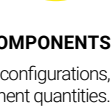


TRANSPORT WAGON OF HEADLIGHTS BOXES

Wagon for the transport and supply of plastic boxes with headlights. Boxes that are packaged in sliding drawers with individual splitter. The manual opening movement of the drawers lay the boxes in an inclined position in order to ease the ergonomics of the withdrawal of the boxes from the inside. This wagon is prepared to move around the outside with canvas sliding coverage above runners, bumper and signage. This wagon structure is also prepared to be stable and to be moved by stacker.



GENERAL DIMENSIONS
(LxWxH) Or according with client specifications.



SPECIFIC COMPONENTS

Please refer to manufacturer for different configurations, dimensions and component quantities.



PAINT
Structure painted with epoxy paint as per client specifications.



WELDED BUILD
Tube and sheet steel welding.



COVER
Sliding canvas cover on slides.



HANDLING BY LIFT-TRUCK
Handling by forklift with tunnels for forks over the length and over the width.



HANDLING SYSTEMS
Wagon-type drive with tractor drive.



STACKABLE CONFIGURATION
Stackable with folding arms.



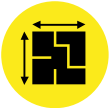
CASTORS
D.250mm with suspension.



MISSILE TRANSPORT SYSTEM

The transport car of PIBRA allows to place the missiles in any position, resorting to several movements, namely:

- Movement in height made manually by a hydraulic pump, which descends through the opening of the valve;
- Transverse movement, front and rear, to compensate for small deviations of the aircraft position at the angle of the table to align with the wing angle of the airplane;
- Forward and / or backward movement to the support table (140mm) to facilitate insertion into the wing guides of the airplane.



POSITION SYSTEM

Parking brake and parking brake system stabilization during the final loading phase on the aircraft.



STANDARD SYSTEMS

Supports existing standard missile systems.



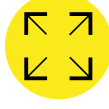
BELT

Straps to ensure the safe transport of the missile by towing.



WEIGHT

Without load: 475 Kg
With load: 675 Kg



GENERAL DIMENSIONS

(LxWxH) Or according with client specifications.



MAXIMUM SPEED

12 Km/h.



PNEUMATIC WHEELS



FOLDING COUPLING



CAPACITY

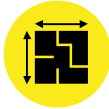
Two missiles up to 2.9 m in length, of various diameters and weight of about 100 kg each.



SYNCHRONOUS DOOR SUPPLY SYSTEM

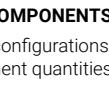
Global system consisting of loading and unloading system and wagons for **synchronous supply** of a mix of **door** models. The components are packaged on the loading/unloading stations and on the wagons by rollers made by polyamide for not to damage the **doors**.

The unloading stations are equipped with a manual **system** for moving the doors inside the wagons simultaneously. It has a system that allows to block the movement of the doors during carriage and transfer all the components with only one movement. The positioning of the wagons near the loading and unloading stations is made with the use of a guide system in two-axis. Wagons are equipped with bumpers and signalization in order to be used in an external environment.



GENERAL DIMENSIONS

Stations of 1.9 x 1.4 x 2.2m (LxWxH)
Wagons of 2.15 x 1.4 x 2.2m (LxWxH)



SPECIFIC COMPONENTS

Please refer to manufacturer for different configurations, dimensions and component quantities



PAINT

Structure painted with epoxy paint as per client specifications



WELDED BUILD

Tube and sheet steel welding.



CASTORS

D.250mm with suspension.



HANDLING SYSTEMS

Wagon-type drive with tractor drive.



PACKAGING

On lower and upper polyamide rollers.



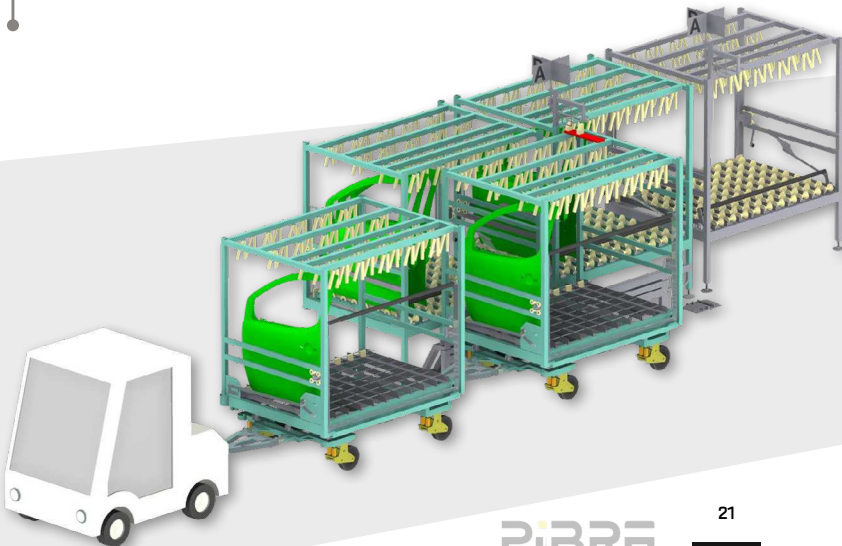
STEERING SYSTEMS

Two-axle wagon guiding system.



LOCKING SYSTEMS

Locking and simultaneous handling systems with manual override.





INDUSTRIAL SOLUTIONS

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