

Description

Effective and efficient bag palletizing solution for plastic, woven cloth or paper bags using heavy duty grippers for 20-50kg load. BagCell minimizes product loss and reaches high capacity productions. Options for bag top roller and motorized pallet output available.

Key advantages

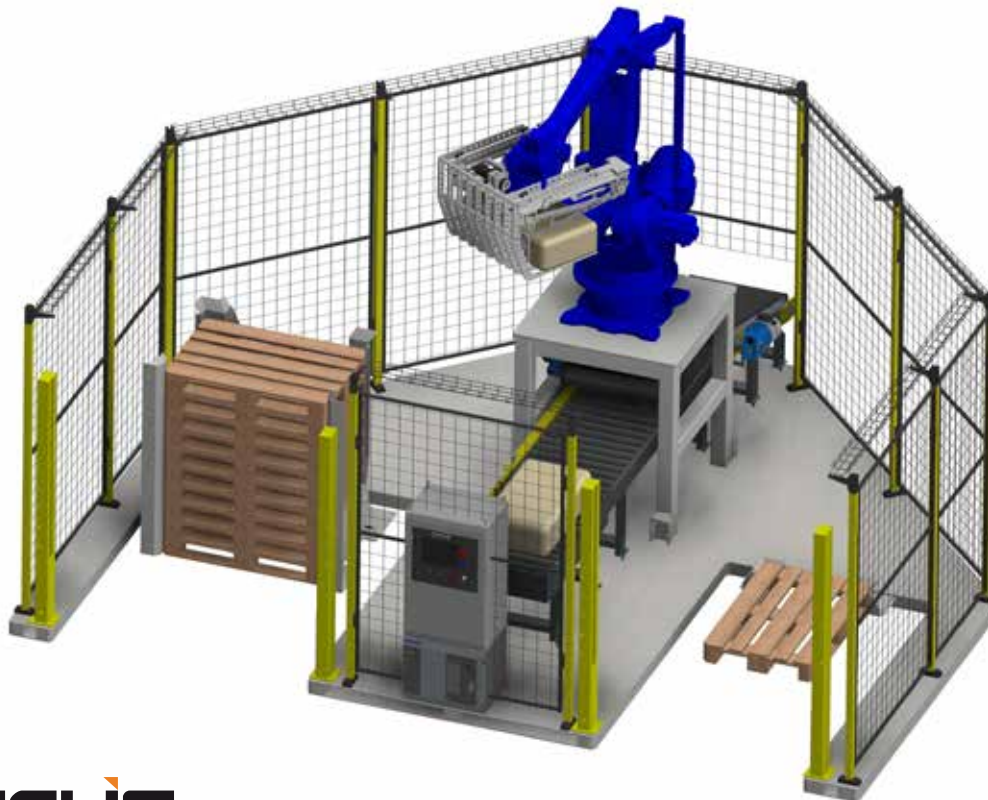
- ✓ Rigid Steel construction
- ✓ Minimum footprint
- ✓ Accessible electrical panel
- ✓ Safety guards
- ✓ Options for 20-50kg bags
- ✓ Non-stop operation

Key Components

- ✓ Industrial palletizing robot
Yaskawa MPL80II or MPL160
- ✓ Combo Gripper
- ✓ Bags for 20-50kg
- ✓ 1 palletizing position
- ✓ Rate: up to 6 bags per minute
- ✓ Intuitive HMI

Optional equipment or features

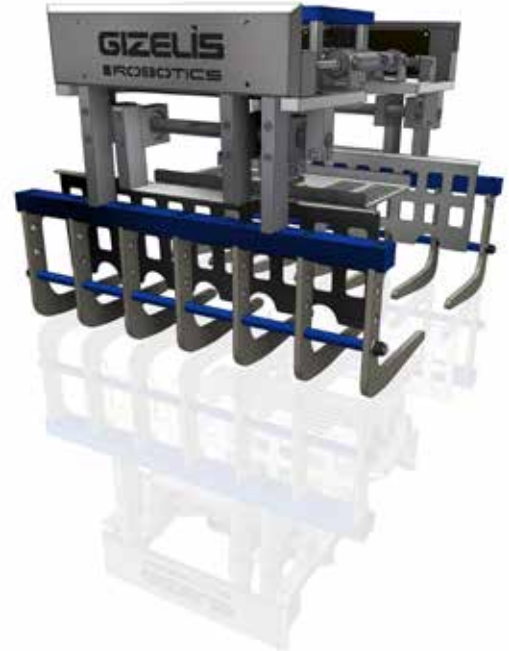
- ✓ Interlayer sheets handling
- ✓ Motorized pallet output
- ✓ Autonomous mobile robots for pallet output



Bag Gripper Spider S25[®]

Technical description

Symmetrically opening robotic gripper suitable for manipulating and palletizing bags. It can be used in production lines which have certain specifications such as small size bags made of paper, plastic or fabric with weight between 20-25kg. The product is lifted from a roller conveyor via appropriate fork geometry design. The placement of the bag to the pallet is achieved by releasing the bag vertically achieving high speed in the palletizing procedure. During the transportation, the bag is stabilized via vertical and side mechanical pads, in order to maintain the desirable shape and geometry, while at the same time achieving high speed of the procedure with safety.



Technical information

- ✓ Gripper dimensions (closed) 620 x 630 x 500mm
- ✓ Gripper dimensions (open) 950 x 630 x 500mm
- ✓ Weight 42kgr
- ✓ Space between center of claws 100mm
- ✓ Bag dimensions (max) 800 x 500 x 250mm
- ✓ Capability to transfer bag weighting 20-25kg maximum

Basic features

- ✓ Robotic bag gripper with vertical release
- ✓ Sturdy anodized aluminum construction
- ✓ Pneumatic high-speed motion system
- ✓ Side mechanical pads with independent pneumatic motion control
- ✓ Vertical mechanical pad for extra stabilization
- ✓ Aluminum anodized claws for the bag handling

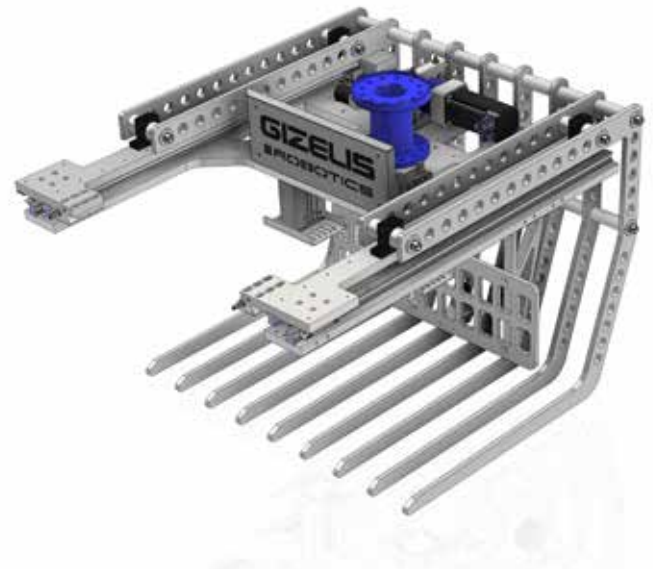


Fork Gripper Fork F50[®]

Technical description

Symmetrically opening robotic gripper suitable for manipulating and palletizing bags. It can be used in production lines which have certain specifications such as small size bags made of paper, plastic or fabric with weight between 20-50kg. The product is lifted from a roller conveyor via appropriate fork geometry design. The placement of the bag to the pallet is achieved by releasing the bag vertically achieving high speed in the palletizing procedure.

During the transportation, the bag is stabilized via vertical and side mechanical pads, in order to maintain the desirable shape and geometry, while at the same time achieving high speed of the procedure with safety.

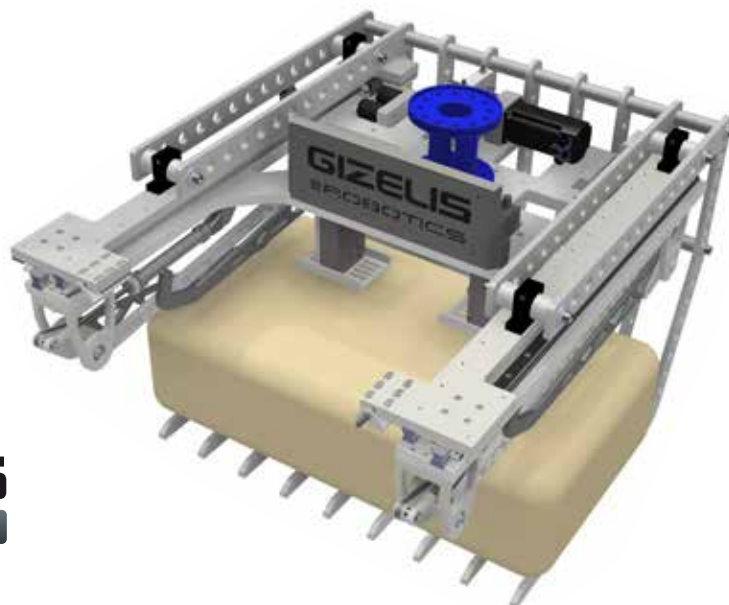


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Basic features

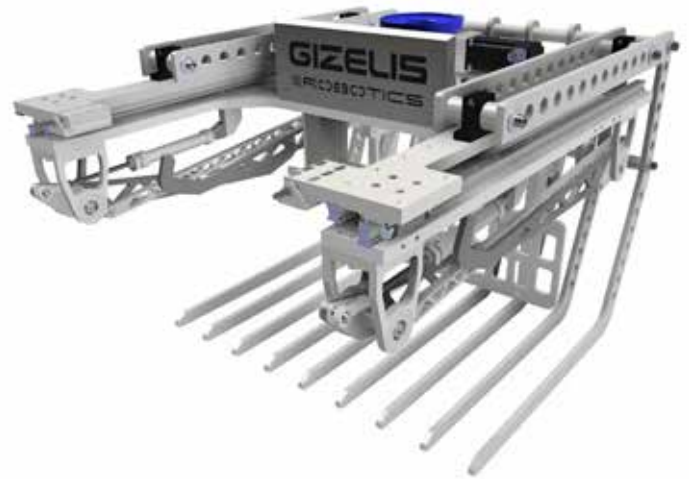
- ✓ Robotic **servo driven** bag gripper
- ✓ Sturdy anodized aluminum construction
- ✓ Pneumatic high-speed motion system
- ✓ Side mechanical pads with independent pneumatic motion control
- ✓ Vertical mechanical pad for extra stabilization
- ✓ Aluminum anodized claws for the bag handling



Fork Gripper Fork FP50[®]

Technical description

Symmetrically opening robotic gripper suitable for manipulating and palletizing bags. It can be used in production lines which have certain specifications such as small size bags made of paper, plastic or fabric with weight between 20-50kg. The product is lifted from a roller conveyor via appropriate fork geometry design. The placement of the bag to the pallet is achieved by releasing the bag vertically achieving high speed in the palletizing procedure. During the transportation, the bag is stabilized via vertical and side mechanical pads, in order to maintain the desirable shape and geometry, while at the same time achieving high speed of the procedure with safety.



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- ✓ Sturdy anodized aluminum construction
- ✓ Pneumatic high-speed motion system
- ✓ Side mechanical pads with independent pneumatic motion control
- ✓ Vertical mechanical pad for extra stabilization
- ✓ Pallet handling mechanism

