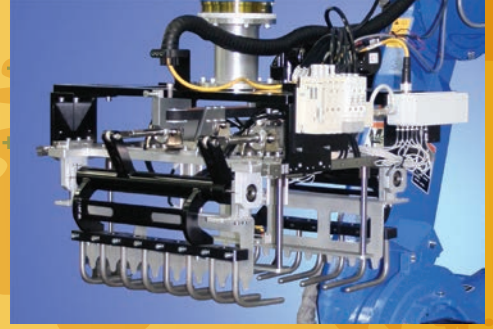
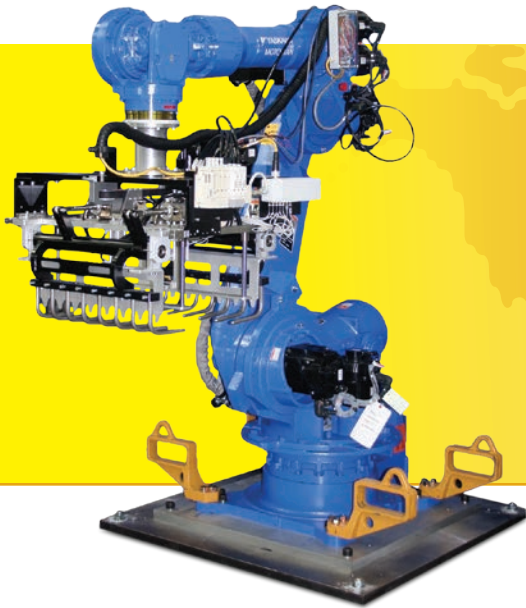




ABG / FBG / SBG Bag Gripper



SAS Automation introduces a family of adjustable width bag grippers in 25 and 50kg payloads for palletizing plastic, woven cloth or paper bags. The ABG eliminates custom tooling with its width adjustment system. In less than 30 seconds, the ABG-25 bag width can be changed from 185-450mm (7.3 to 17.7 inches), and the ABG-50 bag width can be changed from 170-500mm (6.7 to 19.6 inches). The FBG fixed width models are adjustable in less than 4 minutes. Independent Decking Plates square-up and align the bag for precise placement on the pallet while the top mounted Bag Clamps maintain bag position on the tool during robot travel to the pallet. Slip Sheet and Pallet Hook options are available.



ABG / FBG / SBG Bag Gripper

FBG-22

Features:

- + Lightweight and rugged aluminum weldment main frame
- + Manual adjustment for different bag widths from 290-450mm
- + Ø9.5mm solid aluminum fingers with ball-nose ends
- + Spring-return aluminum decking plates to guide the bag
- + Top-mounted bag clamp
- + High-flow pneumatic solenoid valves
- + Ultrasonic bag presence sensor
- + Custom adaptor plate to accommodate any robot
- + Handles bag weights up to 22kg (50 pounds)
- + Weighs 17kg w/o slip sheet option (20kg with)

Available Slip Sheet Option Includes:

- + 3 or 4 stroking pneumatic cylinders
- + 3 or 4 corrugated rated vacuum cups
- + 2 additional pneumatic solenoid valves
- + 1 PIAB COAX vacuum generator with vacuum confirmation switch

Valve Package Options:

- + Discrete I/O - standard
- + DeviceNet - optional
- + Ethernet - optional
- + Custom – optional

ABG-25 and FBG-25

Features:

- + Rugged 12.7mm (1/2 inch) thick aluminum main mounting plate
- + Heavy-duty rails and bearings with double seals and grease ports (ABG only)
- + Hand wheel, opposing thread lead screw, bearing blocks and shaft locks (ABG only)
- + Solid stainless steel Gripper Fingers, radiused ends, 11.1mm (7/16 inch) diameter
- + Adjustable Decking Plates are independent of Gripper Fingers
- + Top-mounted bag clamp
- + High-flow pneumatic solenoid valves
- + Ultrasonic bag presence sensor
- + Custom adaptor plate to accommodate any robot

Available Slip Sheet Option Includes:

- + 3 or 4 stroking pneumatic cylinders
- + 3 or 4 corrugated rated vacuum cups
- + 2 additional pneumatic solenoid valves
- + 1 PIAB COAX vacuum generator with vacuum confirmation switch

Valve Package Options:

- + Discrete I/O - standard
- + DeviceNet - optional
- + Ethernet - optional
- + Custom – optional



ABG / FBG / SBG Bag Gripper

ABG-50 and FBG-50

Features:

- + Rugged 19mm (3/4 inch) thick aluminum main mounting plate
- + Heavy-duty rails and bearings with double seals and grease ports (ABG only)
- + Hand wheel, opposing thread lead screw, bearing blocks and shaft locks (ABG only)
- + Solid stainless steel Gripper Fingers, radiused ends, 15.9mm (5/8 inch) diameter
- + Adjustable Decking Plates are independent of Gripper Fingers
- + Top-mounted bag clamp
- + High-flow pneumatic solenoid valves
- + Ultrasonic bag presence sensor
- + Custom adaptor plate to accommodate any robot

Available Slip Sheet Option Includes:

- + 3 or 4 stroking pneumatic cylinders
- + 3 or 4 corrugated rated vacuum cups
- + 2 additional pneumatic solenoid valves
- + 1 PIAB COAX vacuum generator with vacuum confirmation switch

Pallet Hook Option Includes:

- + 4 rotating pallet hooks
- + 2 rotating shafts with 4 bearings
- + 1 connection / timing linkage
- + 1 stroking pneumatic cylinder
- + 1 additional pneumatic solenoid valve
- + 1 ultra-sonic pallet presence sensor

Valve Package Options:

- + Discrete I/O - standard
- + DeviceNet - optional
- + Ethernet - optional
- + Custom – optional

SBG-50

Features:

- + Rugged 19mm (3/4 inch) thick aluminum main mounting plate
- + Heavy-duty rails and bearings with double seals and grease ports (ABG only)
- + Solid stainless steel Gripper Fingers, radiused ends, 15.9mm (5/8 inch) diameter
- + Adjustable Decking Plates are independent of Gripper Fingers
- + Top-mounted bag clamp
- + High-flow pneumatic solenoid valves
- + Ultrasonic bag presence sensor
- + Gearbox with pulley / bely drive system

Available Slip Sheet Option Includes:

- + 3 or 4 stroking pneumatic cylinders
- + 3 or 4 corrugated rated vacuum cups
- + 2 additional pneumatic solenoid valves
- + 1 PIAB COAX vacuum generator with vacuum confirmation switch

Pallet Hook Option Includes:

- + 4 rotating pallet hooks
- + 2 rotating shafts with 4 bearings
- + 1 connection / timing linkage
- + 1 stroking pneumatic cylinder
- + 1 additional pneumatic solenoid valve
- + 1 ultra-sonic pallet presence sensor

Valve Package Options:

- + Discrete I/O - standard
- + DeviceNet - optional
- + Ethernet - optional
- + Custom – optional