

DBG SERIES BAG GRIPPER AND PALLETIZING SOLUTIONS

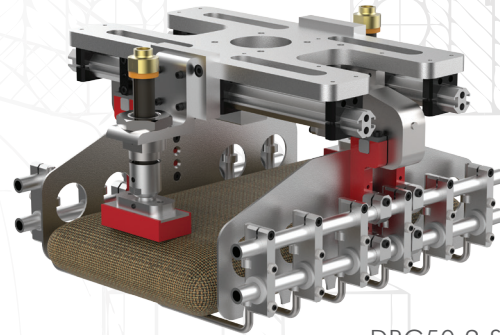


A New Beginning for the End of the Line

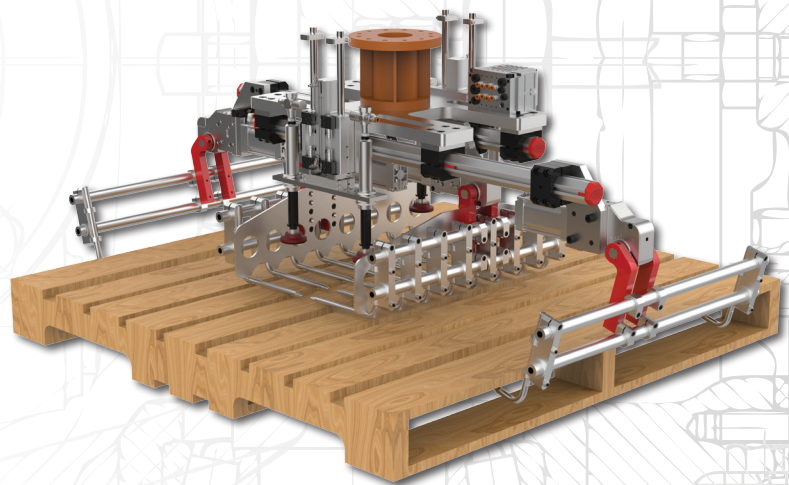
DESTACO DBG Series bag gripping end effectors offer a fast and reliable end-of-line, pick-and-place palletizing solution. The DBG bag gripper is a simplified, lightweight design using standard off-the-shelf components for a maintenance-free operation.

It is offered in two standard sizes with optional back-up, slip sheet pick and pallet pick configurations for load stabilization and slip-sheet and pallet handling application.

The DBG Series bag gripping and palletizing solutions, when used in concert with today's advanced robots, offer customers unparalleled speed and flexibility in their end-of-line operations.



DBG50-2-SU2 (Shown)



DBG100-2-PU6-SP-PP-CP (Shown)

Product Highlights/Options

- Simplified design - no complicated linkages
- Field adjustable finger positions and opening angle
- Pneumatic fully enclosed actuator
- Integrated open/closed position sensing

Features



SPEED

- Speed Matters - with rapid actuation and lightweight design, the DESTACO bag gripper can palletize up to 30 bags per minute when working in concert with robotic automation.



PERFORMANCE

- Secure transfer - our bag grippers utilize an enclosed, pneumatic toggle-lock power clamp with integrated open/close sensing to hold bags secure even if air pressure is lost. No need for complicated linkages.



INTERCHANGEABLE

- More options - available options include pallet pick, slip sheet transfer, spring or pneumatically controlled back-up and multiple valve/controls packages.

Markets



FOOD & PACKAGING



INDUSTRIAL



CONSUMER GOODS

Applications



LOGISTICS



ASSEMBLY

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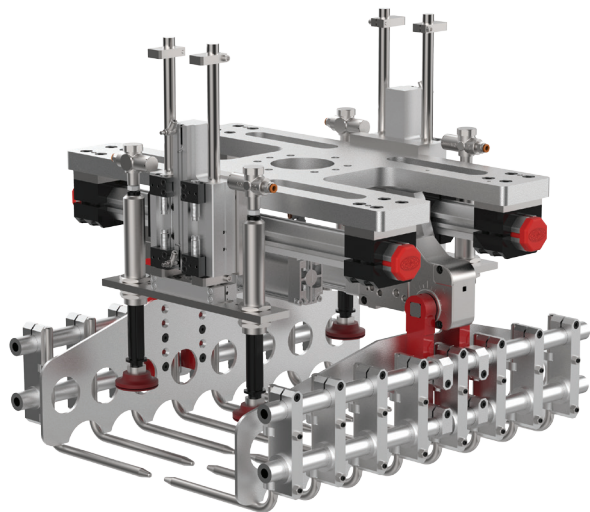
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DBG Series Options

PU(x)-SP

Pneumatic Slip Sheet Pick Option

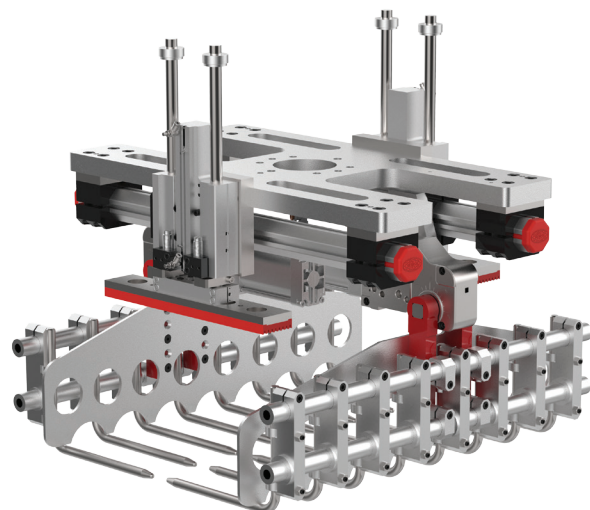
- In addition to the spring compensator option, a vacuum system can be added to the package which will handle the slip sheet.
- Eliminate the need for a second end effector or secondary operation
- 4" Stroke for DBG50-2 (PU4-SP)
(Add option weight of 5kg [11 lbs] to base model)
- 6" Stroke for DBG100-2 (PU6-SP)
(Add option weight of 10kg [23 lbs] to base model)



PU(x)-BU

Pneumatic Back-Up Option

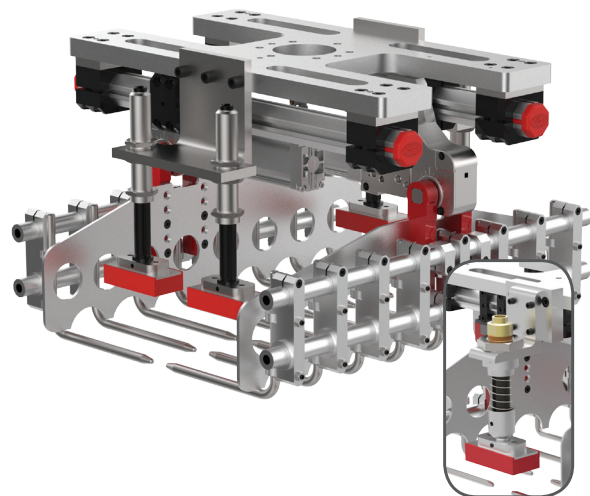
- The pneumatic compensator is extended to contact the product for additional stability and control while in motion.
- 4" Stroke for DBG50-2 (PU4-BU)
(Add option weight of 3.6kg [8 lbs] to base model)
- 6" Stroke for DBG100-2 (PU6-BU)
(Add option weight of 9kg [20 lbs] to base model)



SU(x)

Spring Back-Up Option

- Simple, cost-effective solution
- Compression springs keep a constant pressure on the product
- Low cost solution maintains control of the product while in transport
- Spring Back-Up Option for DBG50-2 (SU2)
(Add option weight of 2.9kg (6.4 lbs) to base model)
- Spring Back-Up Option for DBG100-2 (SU3)
(Add option weight of 5.6kg (12.4 lbs) to base model)



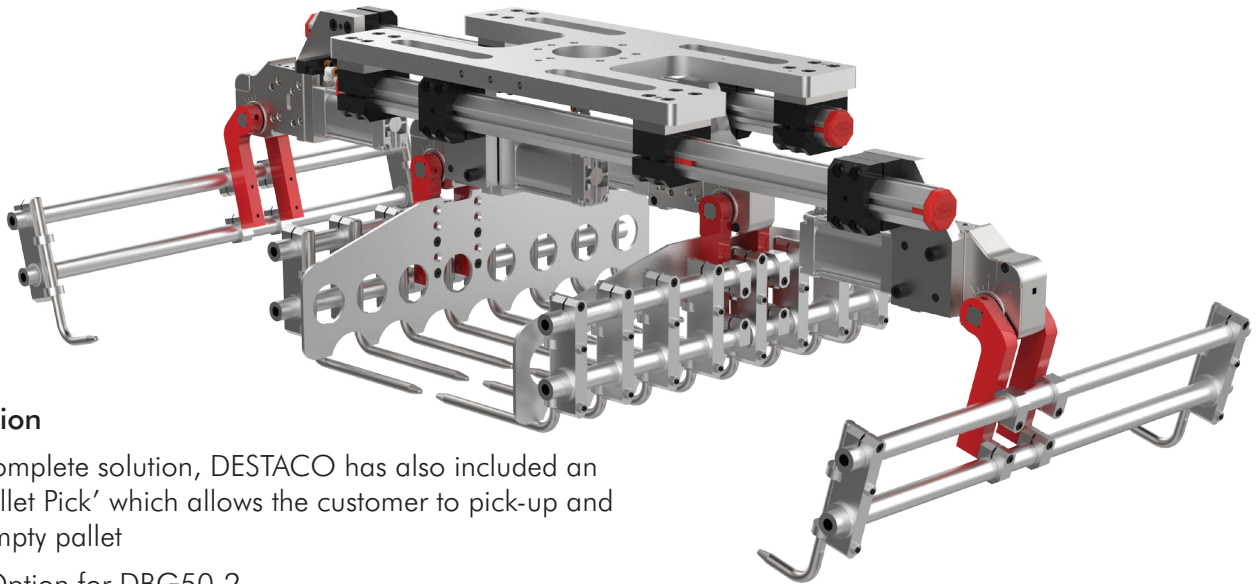
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DBG Series Options

PP

Pallet Pick Option

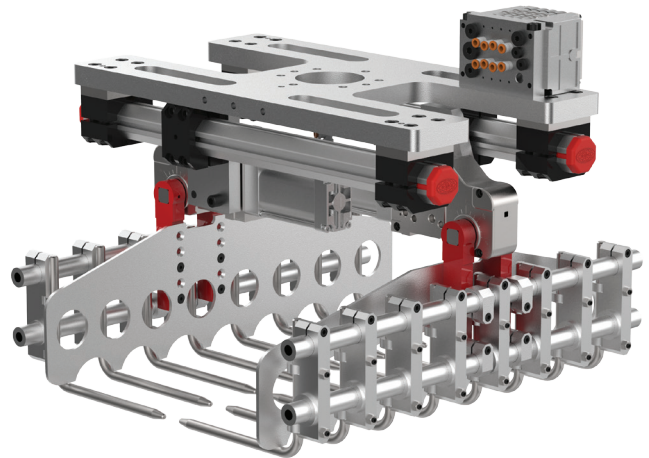
- To offer a complete solution, DESTACO has also included an optional 'Pallet Pick' which allows the customer to pick-up and move the empty pallet
- Pallet Pick Option for DBG50-2
(Add option weight of 13kg [29 lbs] to base model)
- Pallet Pick Option for DBG100-2
(Add option weight of 22kg [48 lbs] to base model)



CP

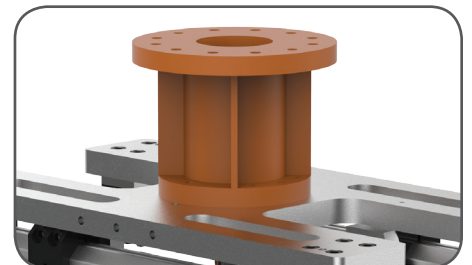
Controls Option

- Controls Options are configured based on the different bag gripper options ordered
(Add option weight of 2.3kg [5 lbs] to base model)

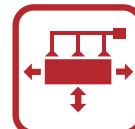


Robot Stand-Off Adaptor (Sold Separately)

- Aluminum welded construction
- Painted safety orange
- Available in 100, 125, 160 & 200mm bolt circles (Custom stand-offs available upon request)
- Bolts for mounting to bag gripper are included
- For DBG50-2 (Add option weight of 3kg [7 lbs] to base model)
- For DBG100-2 (Add option weight of 4kg [8 lbs] to base model)



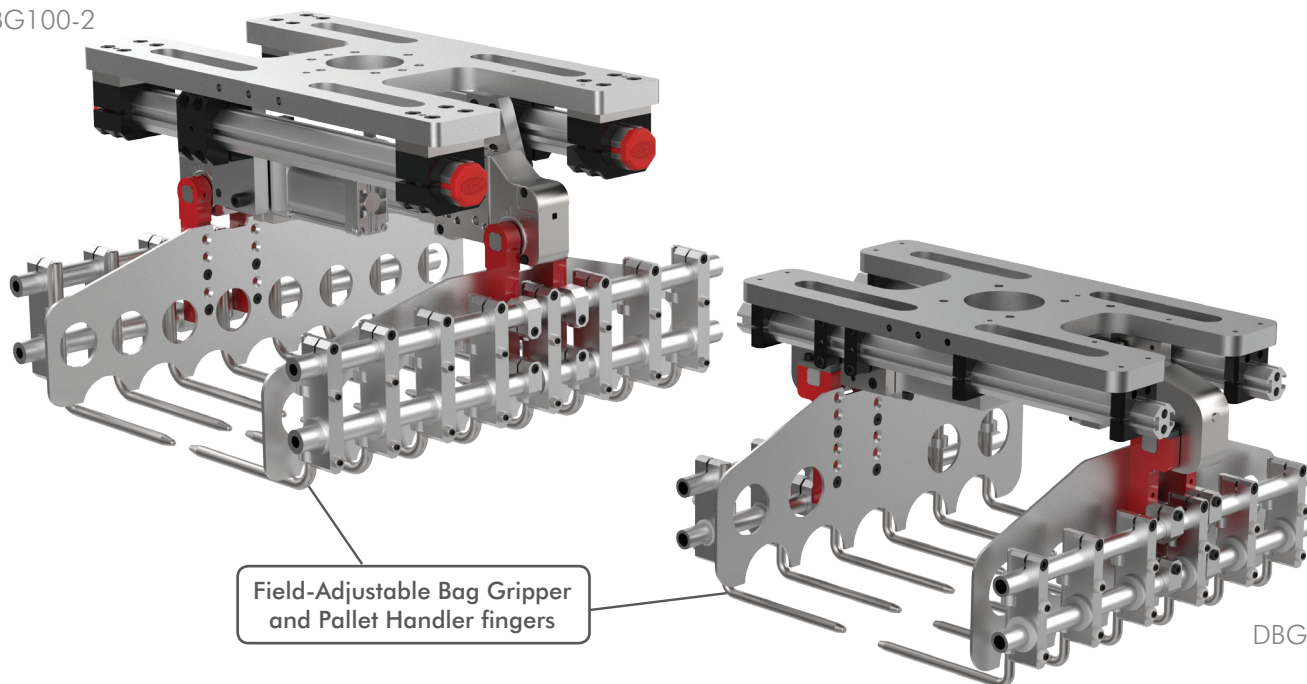
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PICK AND PLACE

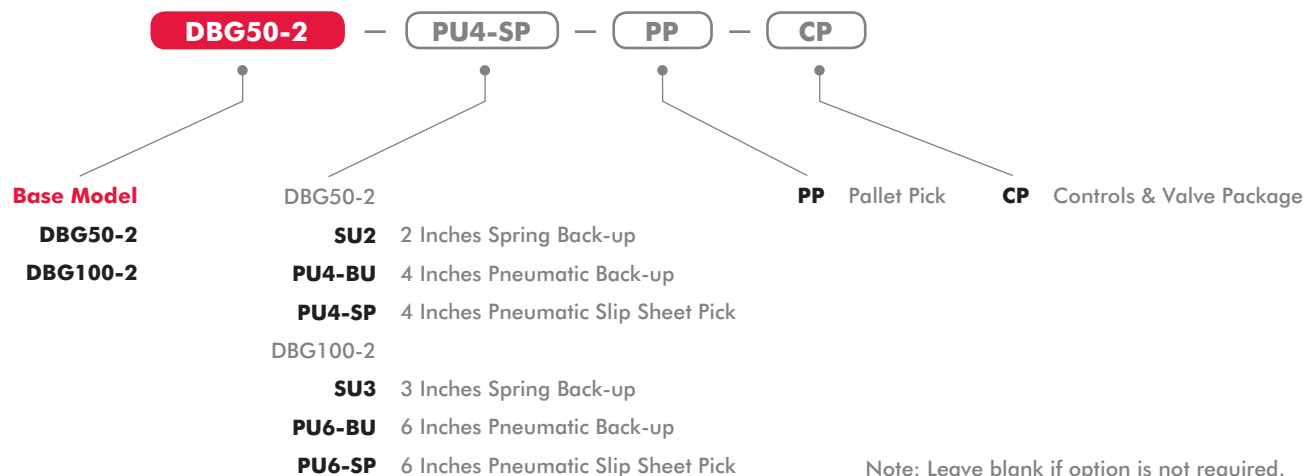
DBG Series Bag Gripper Technical and Ordering Information

DBG100-2



DBG50-2

Specifications	DBG50-2	DBG100-2
Unit Weight:	17kg [38 lbs]	43kg [95 lbs]
Maximum Payload:	23Kg [50 lbs]	45Kg [100 lbs]
Maximum Bag Size:	432 x 711 x 122mm [17 x 28 x 5 in]	610 x 1016 x 170mm [24 x 40 x 6.7 in]



Dimensions and technical information are subject to change without notice.

EE_DBG-F_0616_US

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