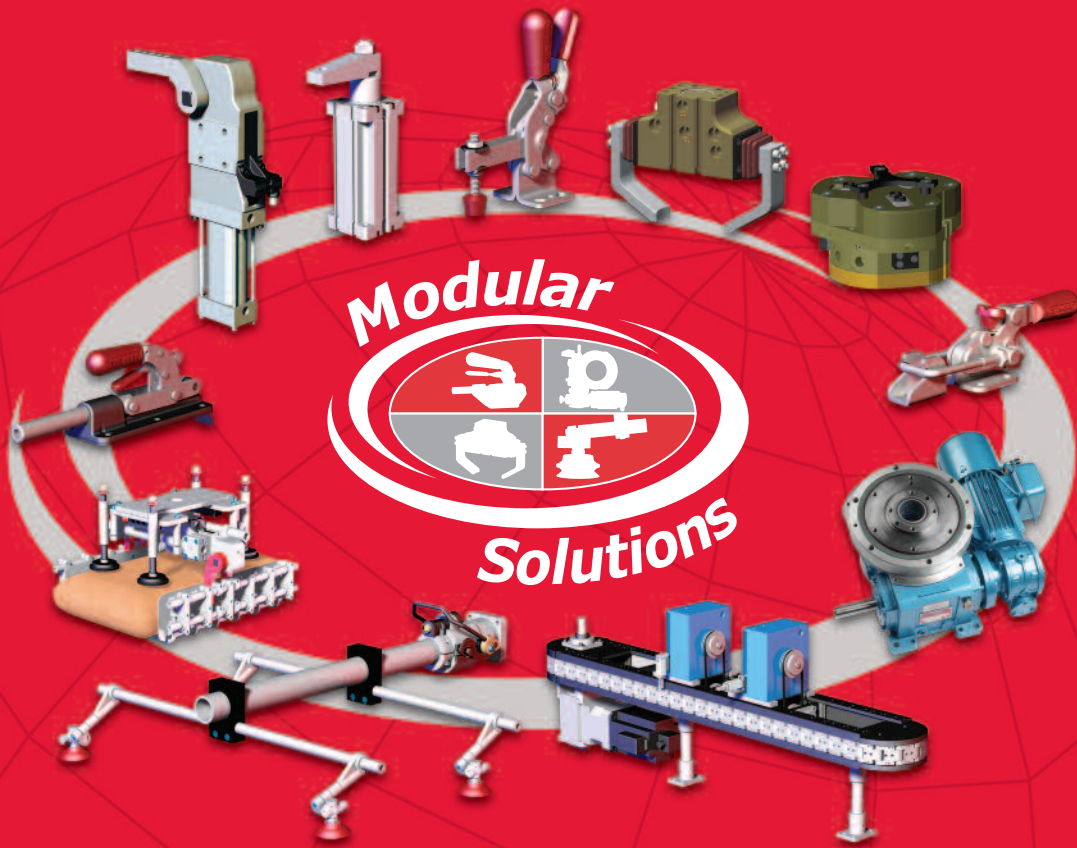




DE-STA-CO MODULAR SOLUTIONS



- PROJECT MANAGEMENT**
- CLAMPING/GRIPPING**
- CONVEYORS**
- TOOL CHANGERS**
- END EFFECTORS**
- INDEXING**
- AUTOMATION**
- SIMULATION**
- CUSTOM DESIGN**

www.destaco.com

Precisely positioning our customers for productivity.

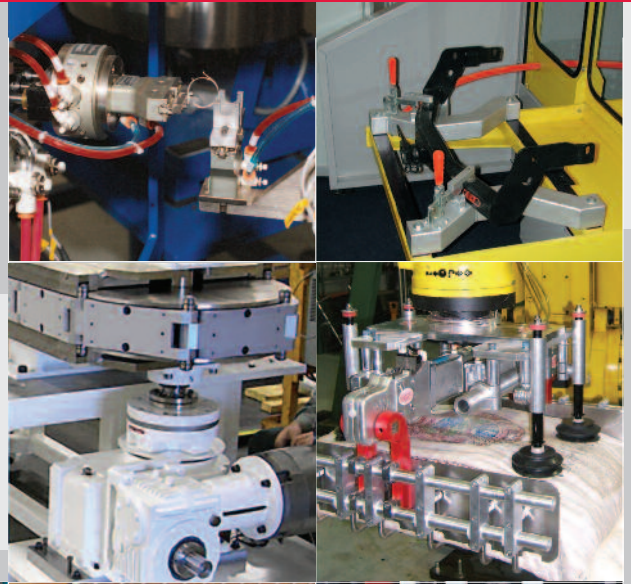
Look for
our exclusive

DIRECTCONNECT
technology.

DE-STA-CO Modular Solutions

Today's manufacturing challenges are tougher than ever. Regardless of your application, DE-STA-CO offers workholding and automation solutions to meet your needs.

OUR PRODUCTS ARE IDEAL FOR A WIDE RANGE OF INDUSTRIES AND MANUFACTURING PROCESSES.



DE-STA-CO Provides Complete single source Solutions with a comprehensive offering of products to help customers **Hold, Grip, Locate, Place,** and **Index** their parts with precision

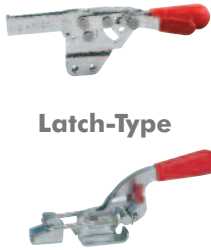


Workholding

Vertical Handle



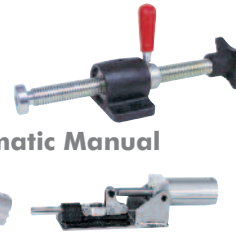
Horizontal Handle



Straight-Line Action



Variable-Stroke Straight-Line Action



Plier-Type



Latch-Type



Pneumatic Manual



Carver



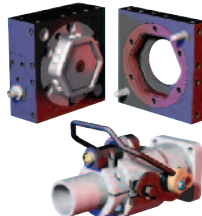
Automation Power Clamps



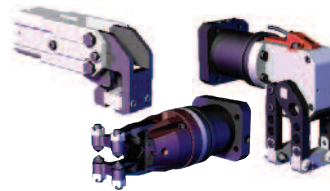
Vacuum Products



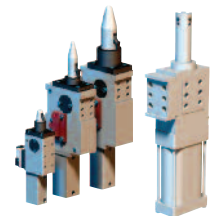
Tool Changers and Adaptors



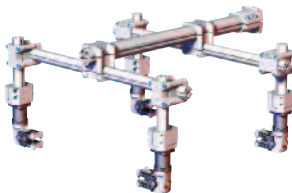
Modular Gripping Products



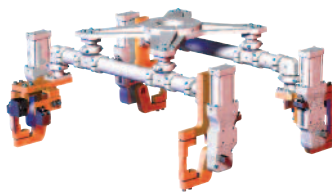
Pin Clamps and Packages



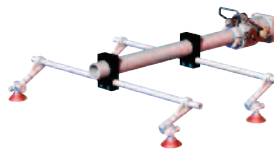
BodyBuilder End Effectors



SpiderGrip Geometric End Effectors



Round Tooling Components



Customized Solutions

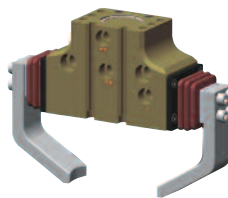


Automation
Robohand FERGUSON
CAMCO

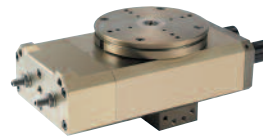
E-Gripper®
Electric Gripper



Parallel and Angular Grippers



Rotary Actuators



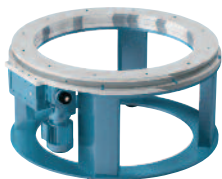
Slides and Thrusters



Index Drives



Ring Index Drives



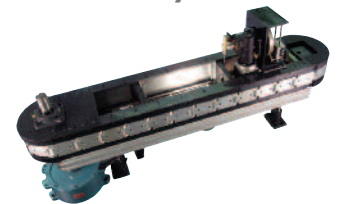
Part Handlers



IM-pAC AC Drives



Precision Link Conveyors



Body Builder

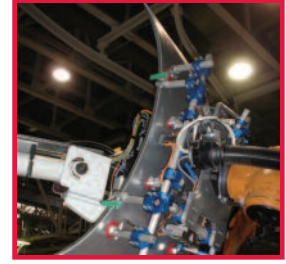
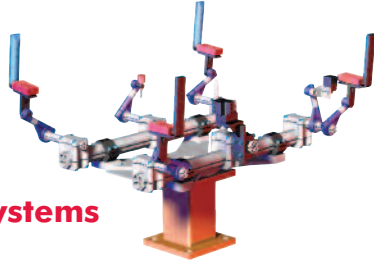
Bodybuilder™ End Effector Systems

Designed to maximize productivity, both before and after installation.

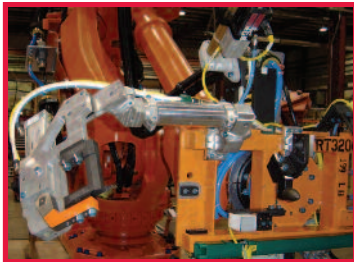
The flexibility of the system allows modifications to the end effector in minutes, greatly reducing start up time to launch.

Ready-to-assemble mounts and accessories eliminate drilling and welding at assembly.

Octagonal structures available in four sizes: 30mm, 45mm, 60mm, and 90mm.



All BodyBuilder™ extruded octagonal booms and modular components are available for download in all 3D formats from www.destaco.com.



SpiderGrip Geometric End Effector Systems

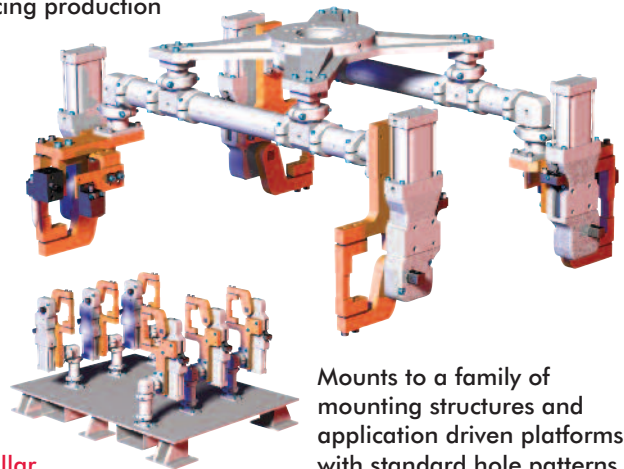
Modular Components for Quick Configurations and Accuracy for Geo Tool Solutions

SpiderGrip offers a standard cost effective solution by making it easy for each component to be replaced individually in the robotic cell, dramatically reducing production downtime and eliminating the need for a backup end-effector.

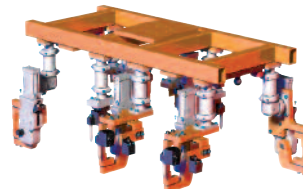


PATENT PENDING

The lightweight collar and cross-key assembly is the cornerstone of SpiderGrip's modularity. The durable assembly serves as the vital connection between the components.

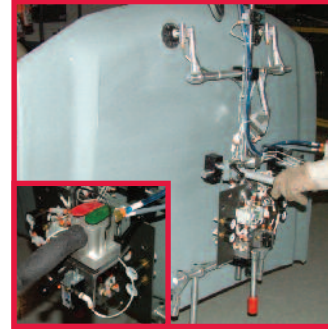
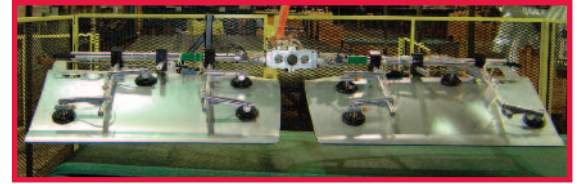
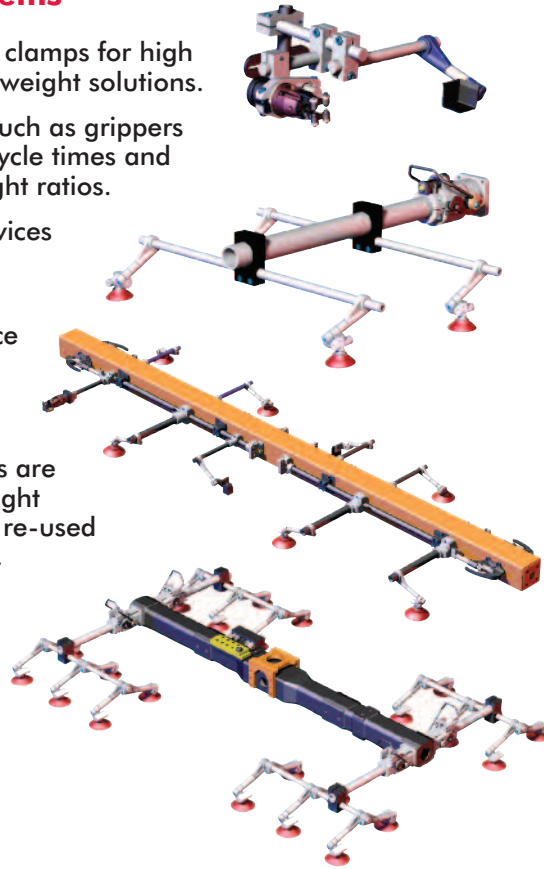


Mounts to a family of mounting structures and application driven platforms with standard hole patterns.



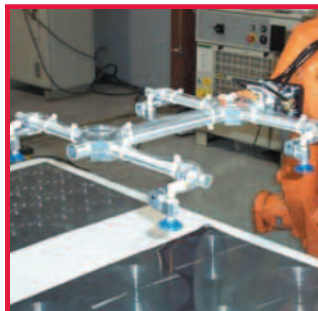
Round Tooling Systems

- Offers standard finger clamps for high volume, low cost, lightweight solutions.
- Part holding devices, such as grippers offer fast open/close cycle times and the best power to weight ratios.
- Other part holding devices include shovels and vacuum cups.
- Ideal for pick-and-place part handling, manual manipulating, and packaging/palletizing.
- All tooling components are constructed of lightweight aluminum and can be re-used for future applications.
- Automatic air and electric connection
- Easy connection and adjustment



Carbon Fiber Main Booms

- Low Density, Reduced Weight
- High Stiffness, Low Deflection and Torsion



Ideal for small part handling, injection press unloading, pick-and-place applications, and unusual shaped objects.

Fully Customizable

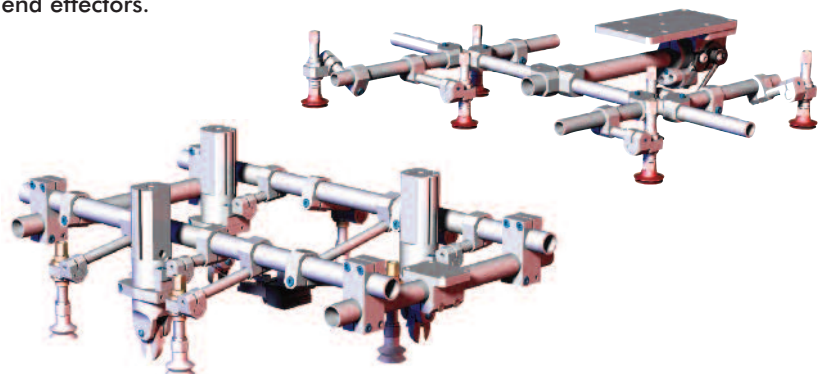
Allows for unlimited configuration possibilities utilizing vacuum cups, sprue nippers, grippers, or other tooling.

Flexible Mounting

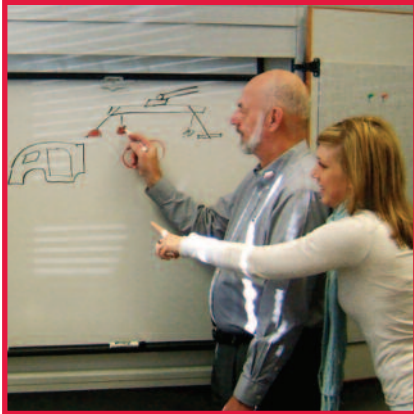
Systems allow for both cantilever end and mid-frame mounting for interfacing with the robot.

Manual or Fully Automatic Tool Changer

Permanently mount your tooling to the robot or choose from either manual or automatic tool changer. Optional quick disconnect air ports provide simple connect/disconnect for air power between various end effectors.



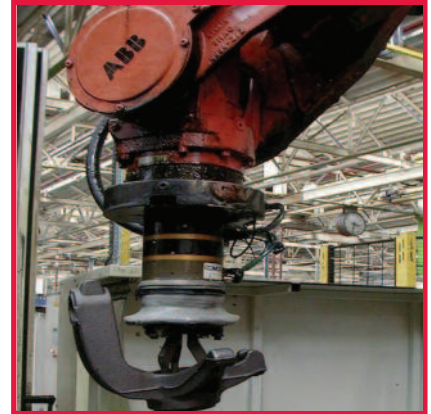
Solution Application Samples



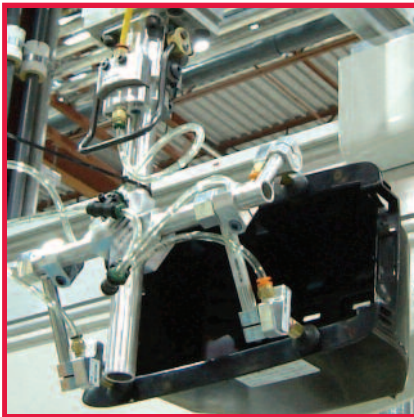
DE-STA-CO's design team works with customers to find the best solutions for their needs



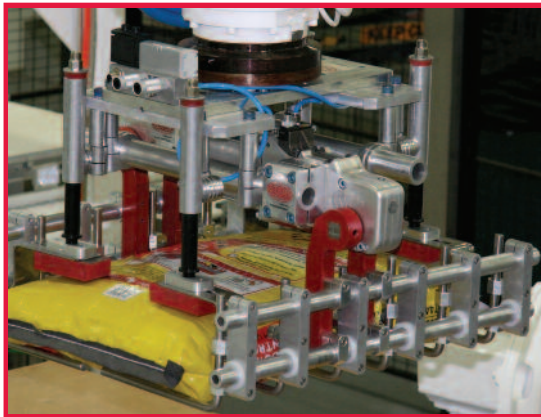
Stove top stamping end of arm tooling using DE-STA-CO Vacuum Products and Round Tooling with Manual Tool Change



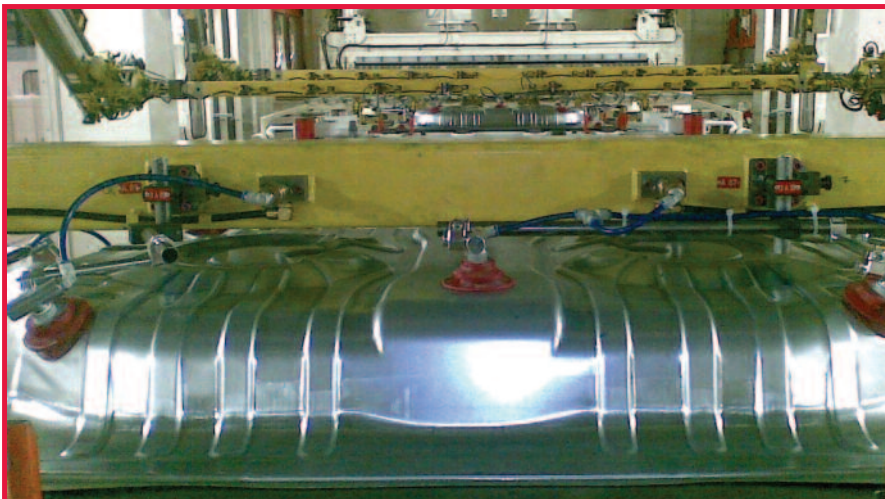
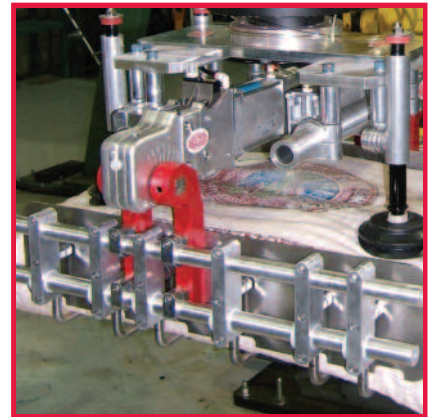
End of arm casting pick & place tool using a DE-STA-CO 3-Jaw gripper



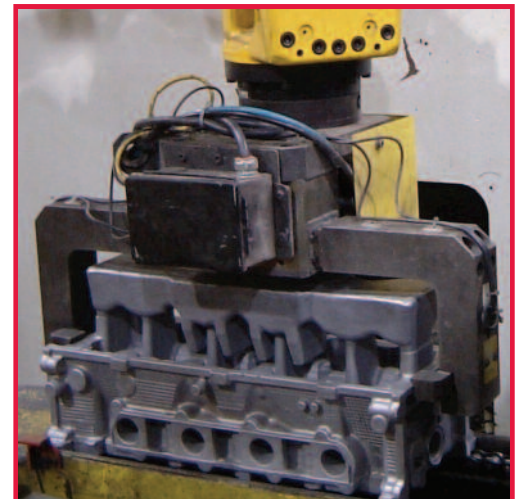
Unloading a plastic injection mold using DE-STA-CO Vacuum Products and Round Tooling



End of line bag palletizing using a DE-STA-CO DBG Series Bag Gripper



Automotive stamping end of arm tooling using DE-STA-CO Vacuum and Crossbar Transfer Press Tooling with Manual Tool Changers



Engine Block end of arm tool using a DE-STA-CO Parallel Gripper

Solution Application Samples



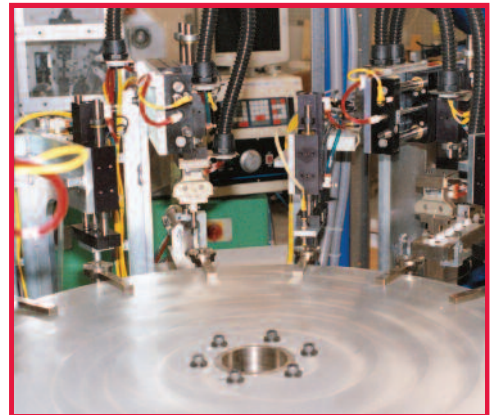
Automotive stamping end of arm tooling using DE-STA-CO Vacuum and World Tool with Manual Tool Changers



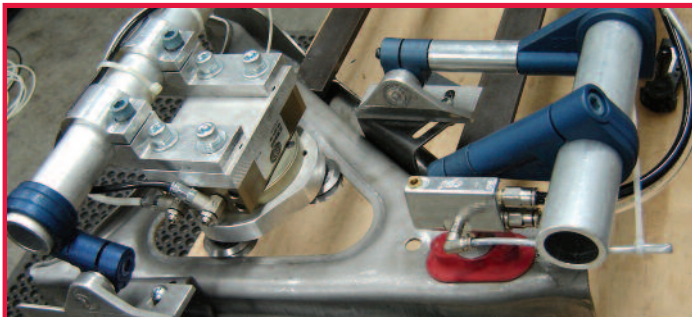
Lower idle stand for press toom transfer using DE-STA-CO Indexers, Vacuum Products and Round framing



End of Arm Tool using DE-STA-CO Parallel Grippers to pick & place steel tubing and brake rotors



Indexing and pick and place application using Robohand parallel grippers and slides



Pick and place application with round tooling and vacuum products



"Below-The-Hook" manual lift assist wheel rim tool using DE-STA-CO Round Tooling and 3-Jaw Grippers



A DOVER COMPANY

PRECISELY POSITIONING OUR CUSTOMERS FOR PRODUCTIVITY.

Workholding

Automation

- Widest variety of workholding products
- High durability and reliability
- Flexible solutions for all applications
- Custom products for unique requirements

- Broad range of engineered automation products
- Complementary products for modular integration
- Unmatched accuracy, reliability and performance
- Unparalleled global sales, service and engineering support

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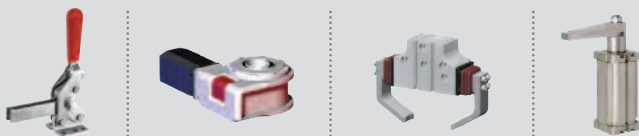
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Precisely positioning our customers for productivity.

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