Product Overview

End of Arm Tooling Solutions | Tool Changers | End-of-Arm Tooling | Vacuum Products

destaco.com
Destaco, a Dover company, is a global leader in the design and manufacture of high-performance automation, workholding and remote-handling solutions. The company serves customers in a variety of end-markets, including the automotive, life sciences, consumer packaged goods, aerospace, industrial and nuclear sectors.

Built on a legacy of more than 100 years, Destaco offers a comprehensive portfolio of products designed to engineer precise movement, placement and control solutions that drive productivity and uptime for manufacturers around the world. The Destaco family of products consists of industry-leading brands such as Destaco Manual Clamps, Power Clamps, and End Effectors; CAMCO™ and Ferguson™ Indexers; Robohand™ Grippers; and CRL™ Manipulators and Transfer Ports.

Destaco is based in Auburn Hills, Michigan, U.S.A. The company has more than 800 employees with 13 locations, in 9 countries, across the Americas, Europe and Asia.

Destaco is part of Dover Corporation, a diversified global manufacturer with annual revenues of $7 billion. The company delivers innovative equipment and components, specialty systems and support services through four major operating segments: Energy, Engineered Systems, Fluids, and Refrigeration & Food Equipment. Headquartered in Downers Grove, IL, (NYSE: DOV)

More information is available at destaco.com and dovercorporation.com
Focusing all of our Resources

New Product Development
Destaco has dedicated resources to design and build the next generation of end effector products and solutions.

Customer Service and Technical Support
Destaco has industry leading global support to address any product and application concerns you may have.

Design Tools
Destaco provides an extensive CAD library, sizing software, and online tools to support our global customers.

Our Insight Working for You

Application Engineering
We utilize our expertise and complete portfolio of products to create solutions that fit our customers’ needs and applications.

Custom Solutions
If our off-the-shelf solutions don’t fit, we will partner with our customers to develop products that will

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CLICK OR SCAN
To view PDFs of the following literature:

Full Catalog
Visual Selection Guide

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Features, Markets and Applications

<table>
<thead>
<tr>
<th>SPEED</th>
<th>LIGHTWEIGHT</th>
<th>INTERCHANGEABLE</th>
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<tbody>
<tr>
<td>• Speed matters - Destaco end effectors are designed to help you move parts faster in today’s production line by using high strength, lightweight aluminum modular components, durable vacuum cups and the fastest venturis on the market.</td>
<td>• Lightweight material - All tooling components are constructed from lightweight aircraft aluminum for improved safety and ergonomics when setting or storing end effectors.</td>
<td>• Ease of use - Modular components allow changes to the end effector in minutes, greatly reducing maintenance time and start up time to launch.</td>
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Dimensions and technical information are subject to change without notice.

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ABOUT DESTACO
The Accelerate® Collection of lightweight end effector tooling is designed to optimize your productivity by 25 to 30%.

This collection of lightweight components, made of high strength aluminum, reduces weight up to 50%, resulting in improved ergonomics and less maintenance downtime.
Designed to Accelerate Your Productivity

The Accelerate Collection will help you move parts faster in today’s production line.

Destaco offers local support throughout Europe, Asia, North and South America.
ACCELERATE® COLLECTION

Interpress Crossbar with Accelerate Tooling

- M8 Fasteners
- Ø30mm Guide Mount
- Single End Extension
- T-Clamp with Swivel Ball Mount
- Vacuum Cups
- ARV Auto Release Venturi

Split Saddle Crossbar with Accelerate Tooling

- 1.00in T-Clamp
- Single End Extension with Swivel Ball Mount
- Vacuum Cups
- ARV Auto Release Venturi

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The Accelerate Collection provides a lightweight and flexible tooling configuration equipped to handle parts of any size and shape throughout the stamping process.
Destaco’s world tool components are configured to handle parts of any size and shape, and can be re-used for future applications.
Round tooling components are used in combination with the Accelerate® Collection for lightweight tooling solutions.

Most commonly used in:

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<th>Applications</th>
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<tr>
<td>Load and Unload</td>
<td>Automotive</td>
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<tr>
<td>Pick and Place</td>
<td>Industrial</td>
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<tr>
<td>Material Handling</td>
<td>Appliance</td>
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<tr>
<td>Hot Forming</td>
<td>Plastics</td>
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MICRO ROUND TOOLING COMPONENTS

A family within the traditional round tooling system, micro tooling components are made from lightweight aluminum with thin wall tubing. This system is designed to handle small, lightweight parts, plastic injection mold unloading, and unusual shaped objects.

Flexible Mounting
For any type of robot

Unlimited configuration possibilities with the use of Destaco products, such as vacuum cups and generators, as well as Robohand grippers, rotates, and linear slides.
Micro round tooling systems can be permanently mounted to the robot with a direct mount or with manual or automatic tool changers. Optional quick disconnect air ports provide a simple connection point for air supply when changing between different tooling configurations.
Destaco bag gripper end effector solutions offer end of line pick and place and palletizing solutions. The DBG Series has a simplified design with field adjustable finger position and opening angle.

Features also include:
- Pneumatic or electric fully enclosed actuators
- Integrated open/closed position sensors
- Standard off-the-shelf components

Two sizes available:
- **DBG50** (50lb Max Load)
- **DBG100** (100lb Max Load)
Destaco DBG Series bag gripper also features optional integrated slip sheet and pallet handling. Products are held secure even if air pressure is lost.

With rapid actuation, the DBG can palletize up to 30 bags per minute when working in concert with robotic automation.

Destaco also provides custom design and build solutions for handling any packaging transfer and palletizing needs.
The patented BodyBuilder™ Alignment System allows the modular components to be replaced individually and easily returned to their original positions.

Alignment nut(s) are included with every Bodybuilder™ modular component, utilizing the patented alignment system.

The octagonal structure is available in four sizes: 30mm, 45mm, 60mm, and 90mm.
Ready-to-assemble mounts and accessories eliminate drilling and welding at assembly.

Most commonly used in:

<table>
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<td>Robot Welding</td>
<td>Industrial</td>
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<td>Pick and Place</td>
<td>Automotive</td>
</tr>
<tr>
<td>Material Handling</td>
<td>Transportation</td>
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<tr>
<td>Lower Nest</td>
<td>Appliance</td>
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SpiderGrip Tooling System 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 second end-effector.

This system is crash test certified and features automatic optical & standard CMM validation points.

Spidergrip modular components are easily configurable and offer high strength to weight ratios while maintaining dimensional accuracy after continuous minor collisions. The patented collar/key design and engineered breakaway base anchor provides quick crash recovery.
Heavy Duty Mid Mount Assembly

Most commonly used in:

Applications

- Fixture Welding
- Pick and Place
- Material Handling
- Geometric Fixtures

Markets

- Industrial
- Automotive
- Aerospace
- Appliance

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Destaco Vacuum Cups can be ordered in different types, sizes, materials and durometers to be used in a broad array of applications, ranging from sheet metal handling to plastics to glass.

Destaco also provides vacuum cups for extreme temperatures and hot-forming applications

EcoCup™ is the world’s first electric vacuum cup, creating vacuum without air.

The EcoCup™ is ideal for pick-and-place applications of flat, rigid, non-porous parts, including plastic, glass, and other consumer goods with smooth, flat surfaces.

ARV® - the original, patented Auto-Release Venturi offers users the fastest vacuum and blow-off in the industry with single line operation, integrated blow-off and built-in exhaust silencer. Mounting options include right or left hand apple core mounting or no apple core mount for use with Destaco’s spring cup mounts.

Destacker Double Blank Detectors (DBD) allows compliance to blanks within ±15° without needing to adjust the robot, automation or tooling.
CONCEPT-TO-COMMISSION SOLUTIONS AND SUPPORT

The launch of our new accelerate light weight tooling in 2013 was specific for the new generation fast press lines but usable as backwards retrofit to all older standards. Today, more customers are asking for an integrated digital supply package. Digital build allows us to manufacture tools without a stage sample or 2D drawings.

We partner with our customers to provide designs for all press types:
- Servo press
- Robot crossbar
- Feeder crossbar
- Speedbar
- Robot tandem
- Tri-axis transfer

Digital Press Shop and Virtual Assembly
- 3D model design and collision checking of die, press, automation, and tooling
- Digital simulation using Delmia
- Precise build capability using robot technology
- Tool qualification using metrology
- Installation using own physical simulation and install teams

Where Available

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