With a support network spanning the globe, DE-STA-CO offers consistent, comprehensive service to any location in the world. Whether your operations are localized or span multiple continents, you will always have access to the highest levels of customer service and technical support.

Since our founding in 1915, DE-STA-CO continues to provide innovative workholding and automation solutions. We are honored to work alongside our global customers to achieve our key mission, which encompasses:

- Providing world-class service and operational excellence
- Increasing customer productivity through customized solutions
- Developing products to meet unique application needs
- Consistency in our on-time delivery promise
- Ensuring top value throughout our product catalog

DE-STA-CO provides productivity solutions to a diverse range of market segments

- Aerospace
- Automotive/transportation
- Consumer products
- Food and packaging
- Plastic injection molding
- Medical
- Defense

destaco.com Dimensions and technical information are subject to change without notice

DESIGNING INNOVATION
DE-STA-CO has been providing end effector solutions in nearly every global market segment for over 25 years

DE-STA-CO offers full-service comprehensive design and manufacturing of world class end effector solutions. Our global application engineers work with customers from concept to commission to design and build a system tailored to each unique application and turnkey project. Our teams possess extensive experience in providing end effector solutions for several market segments including:

- Pressroom stamping
- Welding and assembly
- Plastic injection molding
- Packaging
- Palletizing

DE-STA-CO has a proud history of providing complete material and part handling solutions designed to increase productivity. Our end effectors are widely used in applications such as:

- Robotic load and unload
- Geo-docking and fixture welding
- Tri-axis press transfer
- Tandem press transfer
- High-speed and traditional crossbar press transfer
- Bag and box palletizing
- Plastic injection molding part unload
- Manual lift assist
- Hot forming
LWT Accelerate® Lightweight Tooling System

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.

**LWT Saddle Crossbar Tool Example**

- Crossbar Saddle w/Air (Right Hand Shown)
- T-Clamp with Swivel Ball Mount
- Port Only Adaptor
- Tri-Axis Adaptor Mount
- Single End Extension
- Shovel with 32mm Ball
- Cross Clamp
- M8 Fasteners
- Large Tube
- M8 Fasteners
- Small Tubing
- Gripper Mount
- Cam Action Grippers

**LWT Tri-Axis Tool Example**

- Single End Extension with 32mm Ball Mount
LWT Accelerate® Lightweight Tooling System

Most commonly used in:

<table>
<thead>
<tr>
<th>Applications</th>
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<td>Tri-Axis Transfer</td>
<td></td>
</tr>
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<td>Material Handling</td>
<td></td>
</tr>
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</table>

Designed to Accelerate Your Productivity

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

DE-STA-CO offers local support throughout Europe, Asia, North and South America.
Interpress Crossbar with Accelerate® Tooling

- M8 Fasteners
- Single End Extension
- Ø30mm Guide Mount
- T-Clamp with Swivel Ball Mount
- DE-STA-CO Vacuum Cups

Split Saddle Crossbar with Accelerate Tooling

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

Dimensions and technical information are subject to change without notice.
The **Accelerate® Collection** provides a lightweight and flexible tooling configuration equipped to handle parts of any size and shape throughout the stamping process.

The **Tri-Axis Rail Crossbar** with **Accelerate® Tooling** is most commonly used in:

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Standard rotary tip unit with **Accelerate® tooling**

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World Tool Lightweight Boom System

DE-STA-CO’s world tool components are configured to handle parts of any size and shape, and can be re-used for future applications.

ATI Direct Mount Adaptors

Tapered World Boom Structure

Direct Mount for RDN-40

ARV

Auto Release Venturi

Robohand Automatic Tool Changers

DE-STA-CO Vacuum Cups
Round tooling components are used in combination with the Accelerate® Collection for lightweight tooling solutions.

**Traditional Round Tooling System**

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<tr>
<td>Hot Forming</td>
<td>Plastics</td>
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</table>

- **40mm/1.50” Quick Disconnect**
- **60mm/2.50” Quick Disconnect with Electric Connection**
- **M-Block Cross Transition Blocks**
- **Aluminum Round Tubing (also available slotted)**
- **Standard Swivel Arms**
- **Hot Forming Solutions**
- **40mm/1.50” Receiver with Air and Electric Connection**

DESIGNING INNOVATION
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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.

Unlimited configuration possibilities with the use of DE-STA-CO 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 provides a simple connection point for air supply when changing between different tooling configurations.
DE-STA-CO DBG Series bag gripping end effector solutions offers end of line pick and place and palletizing solutions. The DBG 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

Three sizes available:
- DBG50 (50lb Max Load)
- DBG100 (100lb Max Load)
- DBG150 (150lb Max Load)
DE-STA-CO 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.

DE-STA-CO also provides custom design and build solutions for handling any packaging transfer and palletizing needs.
**BodyBuilder™ Octagonal End Effector System**

BodyBuilder™ is 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.

The octagonal structure is available in four sizes: 30mm, 45mm, 60mm, and 90mm.

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.
**BodyBuider™ Octagonal End Effector System**

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<td>Lower Nest</td>
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Ready-to-assemble mounts and accessories eliminate drilling and welding at assembly.
Spidergrip Geometric End Effector System

SpiderGrip Geometric End Effector 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.
Spidergrip Geometric End Effector System

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Heavy Duty Mid Mount Assembly

Boom

Base Anchor Engineered Breakaway

Corner Junction

82M Series Power Clamp

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Vacuum Solutions

DE-STA-CO 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.

DE-STA-CO 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 standard silencer.

Destacker Double Blank Detectors (DBD) allows compliance to blanks within ±15° without needing to adjust the robot, automation or tooling.
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\(^1\)
- Tool qualification using metrology\(^2\)
- Installation using own physical simulation and install teams

\(^1\) Where Available

Training and Installation Assistance

- Installation and start-up assistance globally
- Coordinated with project management

Global Web Resource & 3D CAD Configuration

- Comprehensive product website with 3D CAD download and configurator

Customer and Technical Support

- Highly trained customer service and technical support staff will help you develop and implement the best possible solution for your application.
GLOBAL LOCATIONS

NORTH AMERICA
DE-STA-CO Headquarters
Auburn Hills, Michigan
Tel: 1.248.836.6700
Toll Free: 1.888.DESTACO
Marketing: marketing@destaco.com
Customer Service: customerservice@destaco.com
Charlevoix, Michigan
Tel: 1.888.DESTACO
Customer Service: customerservice@destaco.com
Wheeling, Illinois
Tel: 1.800.645.5207
Customer Service: camco@destaco.com
Red Wing, Minnesota (Central Research Laboratories)
Tel: 651.385.2142
Customer Service: sales@centres.com

SOUTH AMERICA
Brazil
Tel: 0800-124070
Customer Service: samerica@destaco.com

ASIA
Thailand
Tel: +66-2-326-0812
Customer Service: info@destaco.com
China
Tel: +86-21-2411-2600
Customer Service: china@destaco.com
India
Tel: +91-80-41123421-426
Customer Service: india@destaco.com

EUROPE
Germany
Tel: +49-6171-705-0
Customer Service: europe@destaco.com
France
Tel: +33-1-3996-5000
Customer Service: france@destaco.com
UK
Tel: +44-1902-797980
Customer Service: uk@destaco.com
Spain
Tel: +34-934361680
Customer Service: spain@destaco.com
Netherlands
Tel: +31-297285332
Customer Service: benelux@destaco.com