



ROBOT END OF ARM TOOLING



***Our R20 Catalog has over 340 new EOAT items!
New sections: EOAT for Cobots & 3D Printing!***

***Shop and build yourself, or have our engineering and
assembly department design and build for you!***

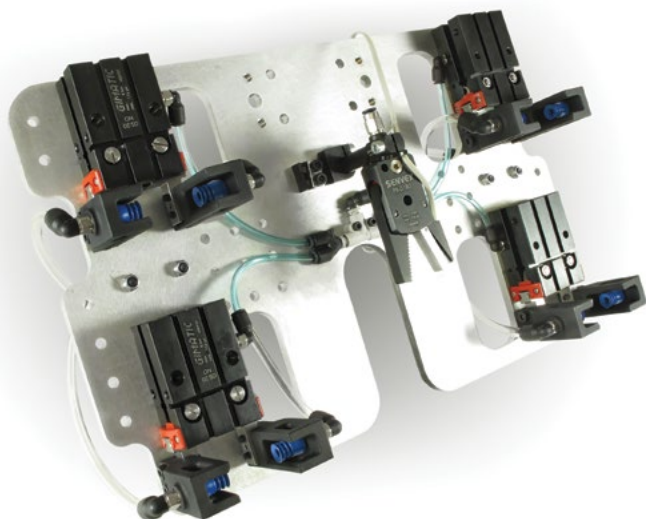
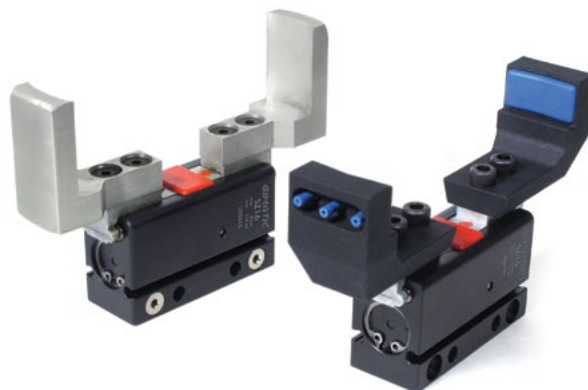
EMInc.com

3D Printing

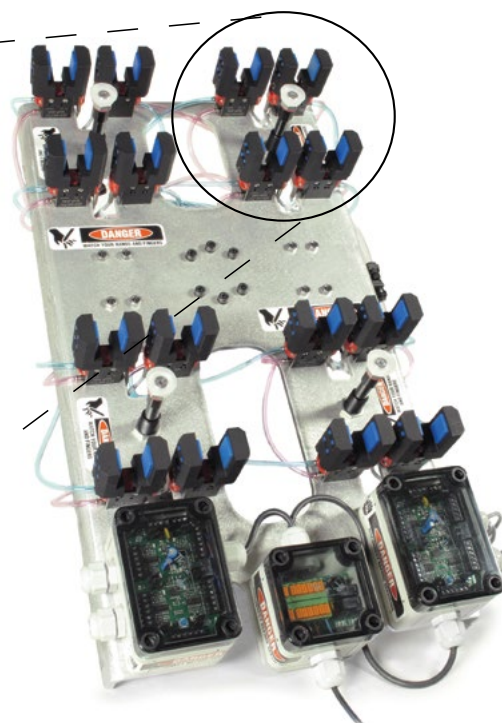
3D Printing for EOAT

Since 2013, EMI's engineers have been utilizing Additive Manufacturing in robotic handling applications for the automotive, medical, consumer goods and plastic injection molding industry.

As an industry leader in robotic End-of-Arm-Tooling (EOAT), we have found new, innovative ways to approach the traditional EOAT application. From custom nests to advanced hybrid gripper fingers, EMI is continually pushing the limits of 3D printing to support automation in the plastic injection molding industry.



Simplify Tools with Creative Custom Components!



EOAT for Cobots
Quick Changer

Interface Plates

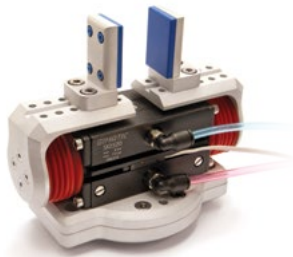
EMI's Focus on Collaborative Robot End Effectors

EMI's years of experience in automation applications have proved that we can provide the perfect solution for a wide variety of industrial end effector and custom cobot gripper kit needs.

EMI's many gripping options – from pneumatic to electric combined with our quick changers and mounting interfaces make these kits perfect for Collaborative Robots.

Our modular profile kit (MPK) allows for assembly and changes on the fly with everything you need to get your Cobot up and running. Gimatic's Kit-UR-V comes fully assembled and can be easily modified.

Many of these gripper kits were designed for and are certified by Universal Robots but EMI can supply a kit complete with interface plates, and quick changers for your Doosan, Sawyer, Kuka, Fanuc, or other Collaborative Robot.

SX Two-Jaw Gripper Kit

SXT Three-Jaw Gripper Kit

SGP-S Compact Gripper Kit

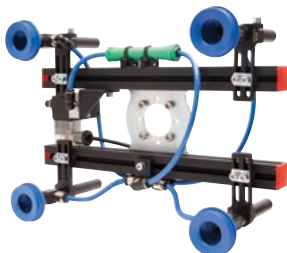
Kit-UR-G Electric Gripper Kit

Kit-UR-J Electric Gripper Kit

Magnet Gripper Kit

3D-V 3D Printed Vacuum Gripper

MPK Modular Vacuum Kit

Kit-UR-V Vacuum Gripper Kit

5/2 Solenoid Valve Kit

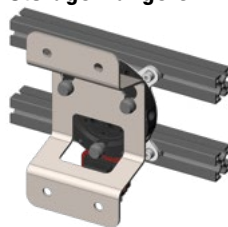
Cable Management Kit


Quick Changers

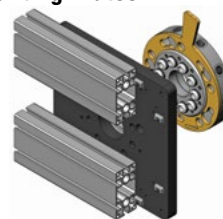
Senvex®/WGS and Gimatic® quick tool changers are the best manual tool changers available with thousands in use in North America and throughout the world. They feature the most accurate positioning, fastest and easiest locking, standard integrated air porting, and optional electrical connectors. Senvex and Gimatic are interchangeable making them the industry standard. The dovetail >S< style tool changers are also available in a variety of sizes—with or without air fittings.



NEW Storage Hangers



Mounting Plates



NEW Dovetail Storage Hangers



>ASS<® Dovetail Styles



NEW QC Centering Pins



NEW Gimatic Dovetail Size



>ASS< Framing

Designed and manufactured in Germany, >ASS< has been building end-of-arm tooling components since 1984. Relied upon for years by many of the world's largest robot users, these components are known for their exceptionally high quality and innovative engineering.

EMI stock's the complete line of >ASS< EOAT components. These are the authentic components made by the original manufacturer. We have them in stock in the U.S. and Mexico available for immediate shipment.



Cross Connectors



Profile



Heavy Duty Elbow Arms



Long Angle Profile Clamps



Angle Connectors



Gimatic Framing

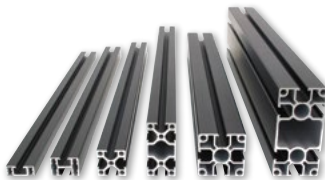
Gimatic profile and framing are interchangeable with other >S< style framing at a lower cost. Compare and you will notice Gimatic framing components' quality is the same, or better than >S< style. In addition to all the standard components and sizes that you expect, you'll see many additional styles that are not available elsewhere. These components can help you get the job done while saving money, using fewer pieces, and reducing overall weight.



>ASS< Brackets and Channel Nuts work with Gimatic Profile

Gimatic Brackets and Channel Nuts work with >ASS< Profile

Profile



Angle Joint Connectors



Cross Joint Connectors



Threaded Mounting Brackets



Angle & Elbow Connectors



Arms for Vacuum Cups



Clamps

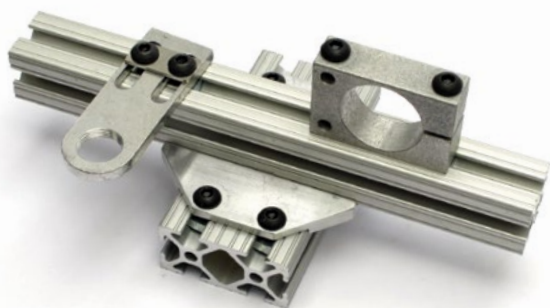


Vacuum Connectors

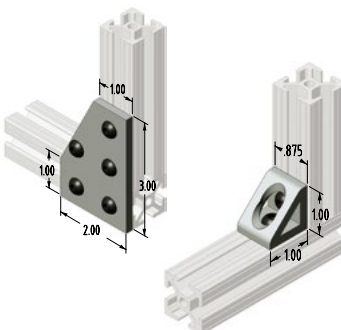


80/20® Framing

For companies that prefer to use an inch/fractional profile system, we have a large stock of 80/20 framing brackets, connectors, and profile in ready-to-ship lengths.



Profile and Brackets

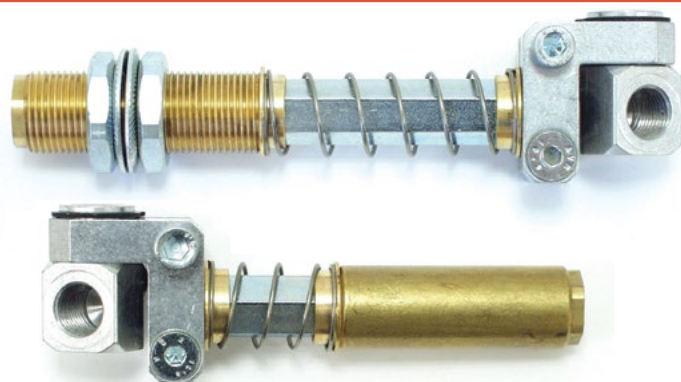
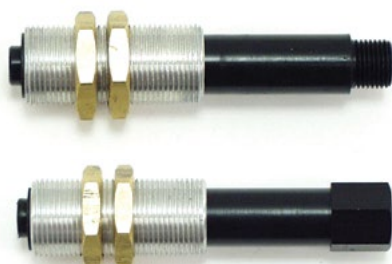
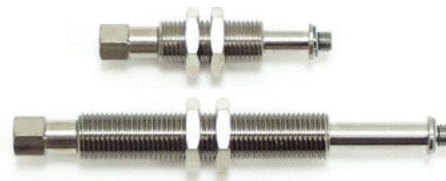


Connectors



Suspensions

The widest, most complete variety of suspensions is available from EMI. Whether you prefer an internal spring or an external spring, rotating or non-rotating, threaded or smooth body, straight or adjustable angle head, M-metric or G-inch, male or female threaded connections—EMI has them in stock. Here is a small sample:



Special Suspensions and Vacuum Actuators



NEW Gimatic Rotating and Non-Rotating Suspensions with Pneumatic Brake

Suspensions with brake allow the shafts current position to be locked into place.



Gimatic Rotating and Non-Rotating Suspensions



Vacuum Cups

Only EMI gives you this wide of a selection of in-stock vacuum cup brands specifically suited for use on EOAT. Mix and match vacuum cups to best suit your application. Use our website to quickly search over 700 different EOAT vacuum cups. Our engineers are experts in vacuum cup automation and are happy to answer any questions to help you select the option that is right for your application.

Cups for Carbon Fiber



Star®



Foam



Oval



Paper & Foil



Mini



Piab®



Hithane®



SMC®



Hi-Speed



Anti-Static



>S< Style



Senvex®



OEM Replacement



Gimatic® with HNBR



Shortec® with Larger Lip



1.5 & 2.5 Bellow Dual Durometer Duraflex®



Sprue Grippers

EMI offers the largest in stock selection of sprue grippers for end effectors and End-of-Arm Tooling with models from Senvex®, >ASS<®, Harmo®, Gimatic® and more.

We offer a complete selection of mounting brackets, sensors, replacement parts, and rebuild kits etc. When selecting the best EOAT gripper for your application, grip force, weight, durability, size, sensor capability and other features are all factors for you to consider. You can also contact our EOAT engineering department for assistance.

The Senvex Original



Mini Grippers



>ASS< Compact Grippers



Harmo



NEW >ASS< Gripper with Coated Jaws & Sensor

NEW Gimatic Micro Gripper with HNBR Pads

Senvex Value Gripper

NEW Gimatic Compact Gripper with HNBR Pads

Gripper Fingers

Gripper fingers are ideal for gripping parts when vacuum cups cannot be used or when a standard gripper is impractical. Typically, these are implemented at the edges of parts in addition to vacuum cups. Once the EOAT is in place, the finger swings out and grips the part's edge. We have a large variety of EOAT gripper fingers, tilt units, and gripper finger accessories in stock for your application needs.



NEW Guides with HNBR Pads



NEW >ASS< Gripper Fingers with Sensor



Gripper Fingers with HNBR Pads



NEW Hybrid Gripper Fingers

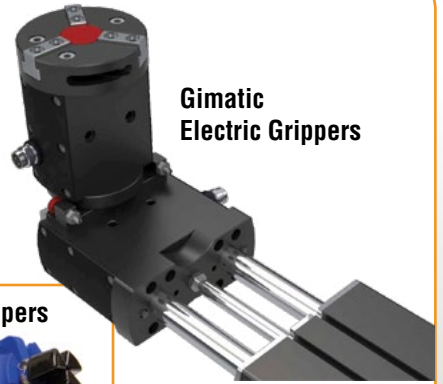


NEW Construction Gimatic Gripper Fingers with improved performance!

Specialty Grippers

Some applications require a special gripper to tackle the job. Whether you require a Needle Gripper to handle textiles, easy to use Electric Grippers that require no programming, or an ID Gripper, EMI has it! We offer a wide range of specialty grippers including Mini Grippers, Dock & Locks, Lightweight 3D Printed ID Grippers, Needle Grippers, Magnetic Grippers, Electric Grippers, and more. If you require help to properly size one of these unique grippers or have questions, our engineers are happy to answer your questions.

Gimatic Electric Grippers



NEW Magnetic Grippers



Mini Grippers



NEW Coated ID Grippers



NEW Needle Grippers



NEW Expansion Gripper Sizes



Finger Blanks for Mini Grippers



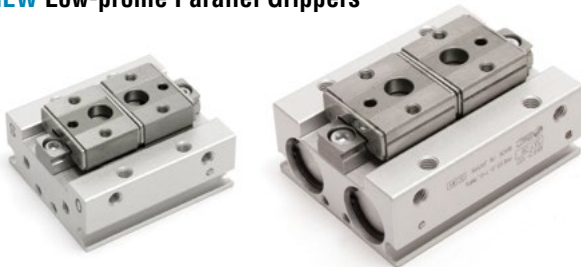
Dock & Lock Gripper



General Purpose Grippers

We have utilized customer feedback and our many years of industry experience to collect an immense variety of General Purpose Grippers. Parallel grippers and angular grippers are available in double acting, NO, and NC configurations. If you are searching for general grippers for smaller parts, compact and miniature grippers are also available. Should you need any assistance while selecting grippers, please reach out to one of our engineers for expert guidance and suggestions.

NEW Low-profile Parallel Grippers



Gimatic® Grippers



SMC® Grippers



Compact Grippers



Two & Three Finger Grippers



Two-Jaw Grippers



Three-Jaw Grippers



Precision Grippers



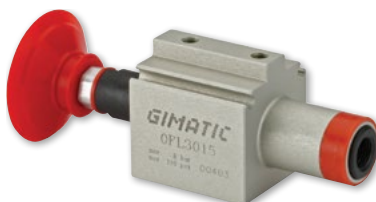
Self-Centering Grippers



Air Cylinders & Slides

Slide it, grip it, clamp it—this section of cylinders and slides is filled with components for moving and clamping. Many components are small and lightweight—fit for use on EOAT. Many more feature long strokes or high force which are suitable for use in secondary automation cells off of EOAT.

Vacuum Cylinders



Cylinders with Arms



Compact Cylinders



Mini Cylinders



Gripper / Nipper Slide



Cylinder Accessories



Clampable Mini Cylinders



NEW Low-Profile Pneumatic Slides



Rotaries

EMI stocks a variety of rotary actuators for a wide variety of industrial uses, including pneumatic rotary actuators intended for use on EOAT. These specific actuators feature low profiles and high torque, and are especially well-suited for use in the plastics industry.

Two & Three Position Rotary Units



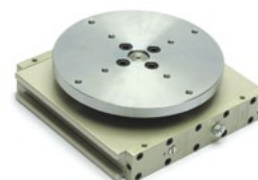
Rotary Indexing Tables



Electric Rotary Actuators



Low-Profile Rotary Actuators



Nippers

When designing EOAT for plastic injection molded parts, sprue and gate cutting is often the most challenging part of the process. The space is usually tight and the cut needs to be of good quality with minimal vestiges. The cutting force is usually high and the tooling must be kept light and compact. EMI has the largest selection of nippers and blades available anywhere, so you have the “most tools in the tool box” to make your degating EOAT successful.

Thrust-Cut Nippers



Vessel Nippers



Nile Nippers



Gimatic Nippers



Nippers with Sensors



Swanstrom Nippers



NEW OEM Nippers



Mounting Brackets



Sliding Nippers



NEW Blade Covers



NEW Degating Options



Blades



Blade Holders



Resharpener



Parts



Hand Actuated Nippers



Tubing & Fittings



Threaded Push-In Fittings

EMI has a wide selection of tubing, fittings, adaptors, reducers, manifolds, and accessories—specifically sizes and styles that are used for robots and EOAT applications. Here, the standard is G threads and metric threads, just like what is used on robots. Additionally, we have the best selection of fittings to adapt and convert to/from G, M, or NPT.

Tubing



Barbed Fittings



NEW Manifolds



Manifolds



Adaptors and Plugs



Push-In Fittings



Valves & Regulators

Pressure Regulators



NEW Flow (Speed) Control



Exhaust Valves



NEW In Line Solenoid Valve



NEW Vacuum Generator



EMI's selection of valves and regulators are compact and light to be used on EOAT. The Parker Moduflex valve system has the modular building blocks and flexibility to create the pneumatic systems needed for your EOAT applications. Because it is lightweight enough to be mounted on EOAT, you can increase your robot's pneumatic circuits for more complex EOATs.



Sensors



Sensor & Microprocessor Boxes



NEW Modular Sensor Box



NPN, PNP, reed, inductive, magneto-resistive, electromechanical, 2-wire, 3-wire, fiber-optic . . . EMI makes "sense" of it all. Use EMI's combination sensor box to mix and match sensors on the same tooling! PNP and NPN signals can be all or selectively converted. Multiple boxes can be connected by wiring in series without a voltage drop. LED indicators make configuring and troubleshooting easy. Make sensing easy, call EMI!

NEW Photo Sensors



NEW Fiber-Optic Sensors



Sensor Cables



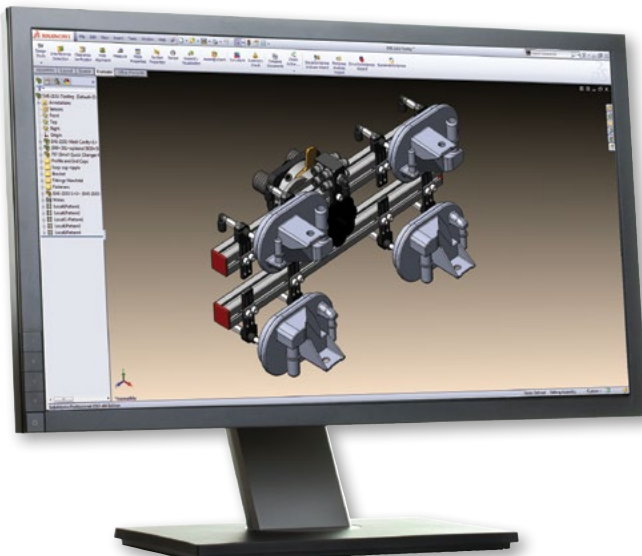
NEW Sensor Boxes



Design Engineering Service

From the simplest to the most complex tooling, our EOAT engineers can design a tooling to suit your specific application.

Save time and money. Have EMI's experienced engineers design your End-of-Arm Tooling. You'll get 3D CAD renderings of the design at no cost or obligation. We'll also provide pricing for the tool should you want to purchase the EOAT from EMI either completely assembled or to build yourself.



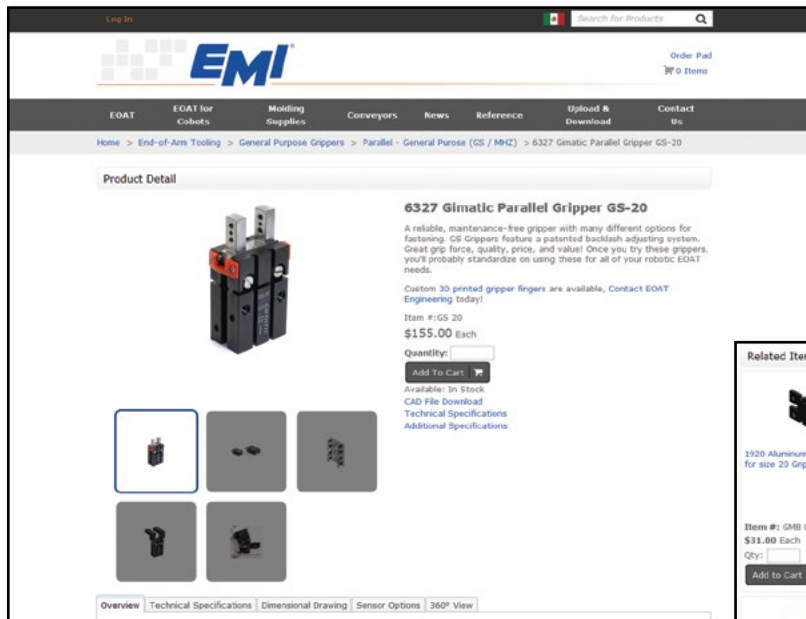
Interactive Design Assistance Datasheet can be found online



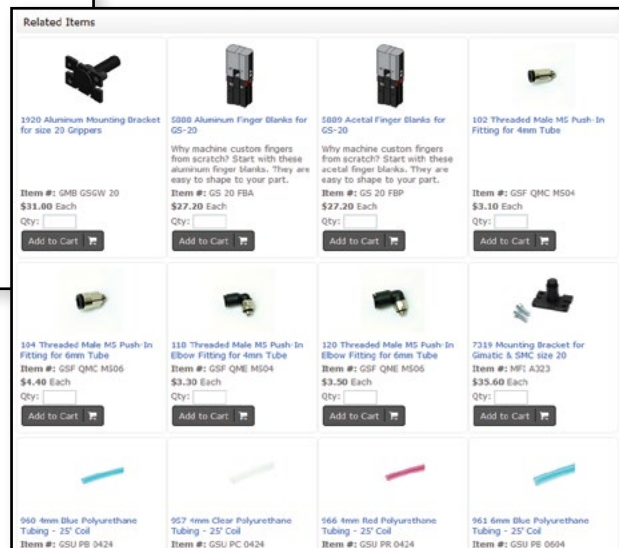
Online product pages have all the information you need!

Many new online features are intended to make your experience with EMI even better

- Direct links to product pages from our online catalog.
- Search e-commerce items by Quick#, Part#, or Keyword.
- Drop-downs easily sort categories.
- Compare products, and check availability.



- Application examples
- CAD file downloads
- Additional specifications
- Dimensional drawings
- Related items
- Exploded views with replacement parts

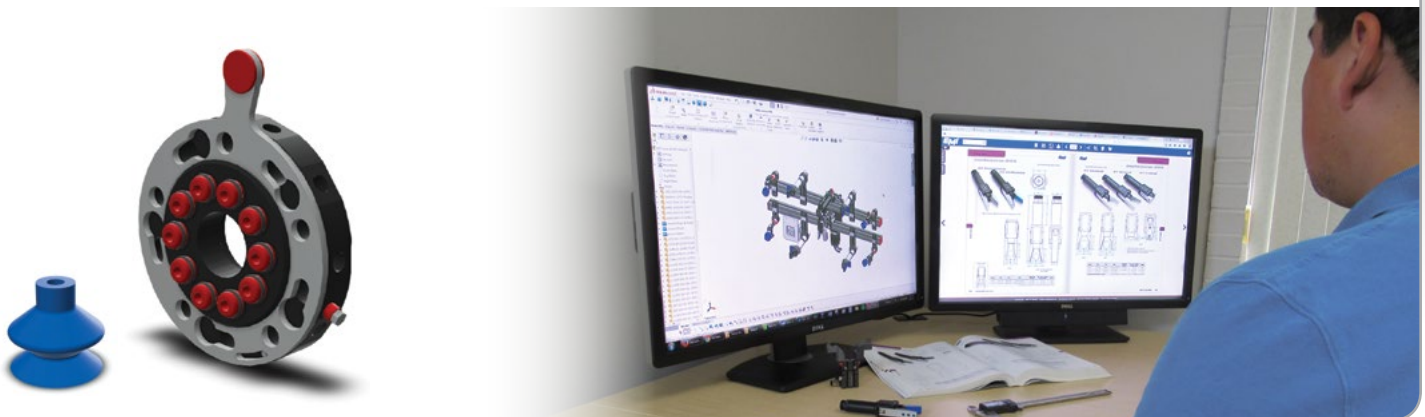


Easy online ordering!

- Track Orders
- Create Supply Lists
- Order from History
- Export Purchase Orders

Building your own EOAT? Download the 3D CAD files you need to ensure an accurate design.

Our EOAT CAD Library has over 3,000 components and is updated daily. Download all or individual files, or preview them by Quick# with EMI's 360° View before downloading with no need to sign in.




Find Replacement Parts Online!

Spare parts can be found on many Senvex & Gimatic product detail pages.
Exploded Views & Spare Parts are listed at the bottom of the page.

EOAT EOAT for Cobots Molding Supplies Conveyors News Reference Upload & Download Contact Us

Home > End-of-Arm Tooling > Sprue Grippers > Mini Body Sprue Grippers > 1879 Senvex Mini Sprue Gripper - Normally Open

Product Detail



1879 Senvex Mini Sprue Gripper - Normally Open

- Higher grip force than other similarly sized sprue grippers.
- Serrated fingers hold small and medium sprues firmly.
- Ø10mm diameter mounting post with M5 air port allows this gripper to be used with standard mounting and air connection components. Alternate M5 air port on front of gripper can be used.

Item #: GSG PB 0014S
\$99.00 Each

Quantity:


[Add to Cart](#)

Available: In Stock
[CAD File Download](#)
[Technical Specifications](#)
[360 Degree View](#)


[Overview](#) [Technical Specifications](#) [Dimensional Drawing](#)

- 48g
- Normally Open
- 3-9mm Applicable Sprue
- 14.5lbf Lbs. Force at tooling length (Measured at jaw pivot point).


Related Items




102 Threaded Male M5 Push-In Fitting for 4mm Tube
Item #: GSF QMC M504
\$3.10 Each
Qty:
[Add to Cart](#)




104 Threaded Male M5 Push-In Fitting for 6mm Tube
Item #: GSF QMC M506
\$4.40 Each
Qty:
[Add to Cart](#)




118 Threaded Male M5 Push-In Elbow Fitting for 4mm Tube
Item #: GSF QME M504
\$3.30 Each
Qty:
[Add to Cart](#)



120 Threaded Male M5 Push-In Elbow Fitting for 6mm Tube
Item #: GSF QME M506
\$3.50 Each
Qty:
[Add to Cart](#)



6421 Nipper Mounting Post



7346 Gimatic Framing GLA-Style

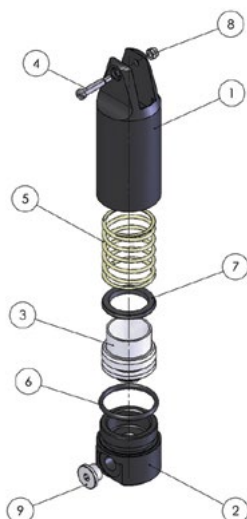


Parts for 1879 Senvex Mini Sprue Gripper - Normally Open

Enter the quantity for each needed part and click add to cart

No.	Part No.	Item Description	Qty Req.	Price	Qty
1	PB 0013 6	Replacement Main Spring	0	\$3.16 Each	<input type="text"/>
1	BB 12 05	Replacement Piston Top	0	\$2.58 Each	<input type="text"/>
1	BB 12 06	Replacement Piston Bottom	0	\$2.58 Each	<input type="text"/>
1	KIT1 PB131415	Seal Kit	0	\$3.14 Each	<input type="text"/>
1	KIT2 PB13	Pin Kit	0	\$2.25 Each	<input type="text"/>
1	107 M5	319 M5 Internal Hex Threaded Plug	0	\$1.25 Each	<input type="text"/>
1	PB 0014 1	Replacement Serrated Jaw for Normally Open PB Grippers	0	\$24.67 Each	<input type="text"/>

[Add to Cart](#) [Print Parts List](#)



Spare parts for the Gimatic Nipper #1902: Purchase spare parts separately, or together as the Service Rebuild Kit.

Parts for 1902 Gimatic Nipper Round Body Size 10

Enter the quantity for each needed part and click add to cart

No.	Part No.	Item Description	Qty Req.	Price	Qty
3	GN 10 03	Piston for Gimatic Nipper GN-10	0	\$25.69 Each	<input type="text"/>
5	GSN GN 10S MS	6561 Main Spring for Gimatic Nipper GN-10(S)	0	\$2.72 Each	<input type="text"/>
6,7	KIT1 GN10S	Seal Kit for Gimatic Nipper GN-10S, GN-10	0	\$2.86 Each	<input type="text"/>
4	GSN GN10S BMP	2595 Blade Mounting Pin for GN10S	0	\$4.20 Each	<input type="text"/>
8	GSN GN5135 BMN	2598 Blade Mounting Nut for GN 05(S) & GN10(S)	0	\$0.50 Each	<input type="text"/>
9	107 G1 8	Internal Hex Threaded Plug	0	\$2.41 Each	<input type="text"/>
4,5,6,7,8	GSN GN10 RK	2076 Rebuild Kit for Gimatic GN-10 & GN-10S	0	\$7.10 Each	<input type="text"/>

[Add to Cart](#) [Print Parts List](#)



216-535-4848 / Sales@EMlcorp.com

Cobot Ready Conveyors from EMI

EMI has developed a conveyor to easily integrate with your Collaborative Robot.

Coupled with EMI's URCap development, your cobot can easily control the conveyor's speed and direction.

Built to withstand heavy-duty industrial use, EMI Conveyors are built in the USA and come standard with a belt driven power package, V-Guide belt, and a three year warranty.

We are specialists in custom conveying applications, and can deliver the perfect solution for your application.



Manufacturing & Administrative

Sales@EMlcorp.com
Phone: 937-596-5511

801 West Pike Street,
Jackson Center, Ohio 45334

Sales & Design Engineering

Sales@EMlcorp.com
Phone: 216-535-4848

28300 Euclid Avenue
Wickliffe, Ohio 44092

EMI Mexico

Ventas@EMlcorp.com
Teléfono: +52 (81) 8386-2800

Avenida Industria de la Construcción 551
Parque Industrial Querétaro
Santa Rosa de Jáuregui, Querétaro 76220