

End of Arm Tooling

Since 2001, EMI has been helping customers select everything from the right vacuum cups to designing fully-engineered complete project sets. Quality products, competitive pricing and all the support you need. We are easily accessible, friendly, and helpful.



Degating

Backed by a team of experienced EOAT Engineers, EMI's competency in degating applications along with an extensive offering of products, continue to push the limits of automation in your plastic injection molding facility. We are happy to work with you in testing, designing and supporting your next degate station.



EOAT for Cobots

Understanding the need for automation beyond the injection molding machine, EMI now offers a complete lineup of plug-and-play and custom Cobot solutions for the plastics industry. Our engineers are continuously working with customers to improve their operations and researching new products that are applicable to your processes.



Cobot Stands

EMI Cobot Stands are heavy duty, affordable, and readily available but can be designed to your specification. These pedestals can be moved around your plant and secured to the floor around your press or anywhere in your facility where Cobots are deployed in secondary operations.



Conveyor Automation Systems

Decades of constant improvement and custom conveying applications make EMI Conveyor systems the standard in the plastics industry. Manufactured in our Ohio facility, EMI conveyors are designed to your specifications, crafted by experienced assemblers and are made to last in industrial environments while offering advanced features to injection molders.



20 Years of EOAT from **EMI**



EMI Customer-focused innovation and growth.

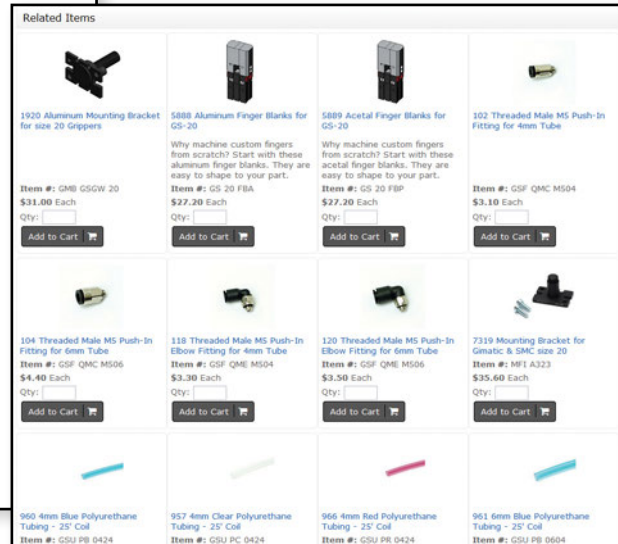
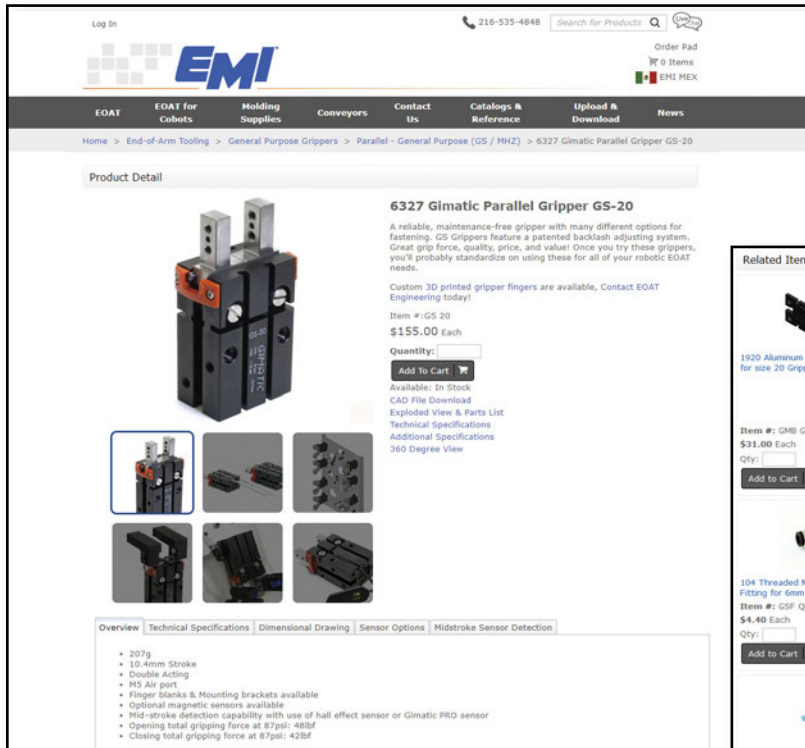
Online product pages have all the information you need!

Our 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.

Easy online ordering!

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

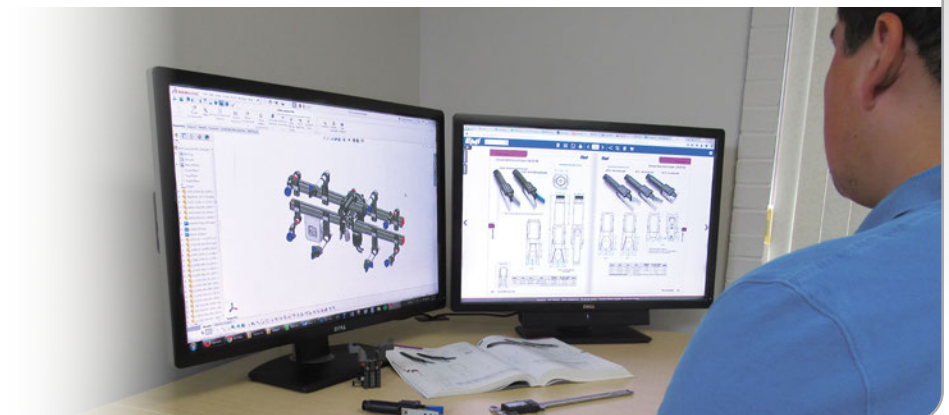
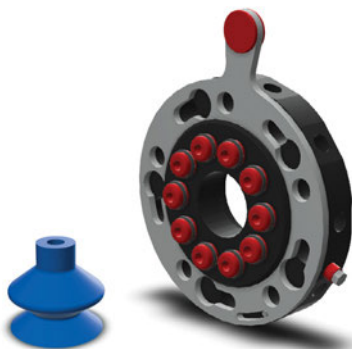


CAD File Downloads & 360° Views!

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

Our EOAT CAD Library has over 3,400 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.

Click here!



Find Replacement Parts Online!

1879 Gimatic Mini Sprue Gripper - Normally Open

- Higher grip force than other similarly sized sprue gripper
- Serrated fingers hold small and medium sprues firmly.
- ø10mm diameter mounting post with M5 air port allows to be used with standard mounting and air connection components. Alternate M5 air port on front of gripper can be used.

Item #: GSG PB 00145
 \$99.00 Each
 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).

Parts for 1879 Gimatic 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
n/a	BB 12 05	Replacement Piston Top	0	\$2.58 Each	
n/a	BB 12 06	Replacement Piston Bottom	0	\$2.58 Each	
n/a	K2T1 PB131415	Seal Kit	0	\$3.14 Each	
n/a	K2T2 PB13	Pin Kit	0	\$3.25 Each	
n/a	107 M5	319 M5 External Hex Threaded Plug	0	\$1.25 Each	
n/a	PB 0014 1	Replacement Serrated Jaw For Normally Open PB Grippers	0	\$24.67 Each	
n/a	PB 0013 20	Gimatic PB Gripper Replacement Main Spring	0	\$5.16 Each	

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

Spare parts can be found on many product detail pages. In-stock and ready to ship same day!

Scan and Add to Cart!

Product packaging has QR codes for easy reorder or to check product info.



Hotlinks for Easy Navigation!

Click for Catalog Index

Click for Section Overview

Click for Online Ordering

1: QUICK CHANGERS

Standard Size (90mm) Quick Changer

(Dimensioned drawing shown full scale)

Quick#	Part#	Description	Price
500	GSO-R	Robot-Side - Standard size (90mm)	\$490.00
501	GSO-G	EOAT-Side - Standard size (90mm)	\$275.00
502	WGS-OLEKRD	Robot-Side Electrical Connector & Cable	\$81.00

SENVEX WGS

EMI's Engineers Evaluate and Design Specifically for Your Application

Suitable Applications:

- Plastic Handling
- General Assembly
- Packaging and Box Filling
- Plastic Secondary Operations (Degating, packaging, assembly)
- Machine Tending (CNC Mill, lathe, laser engraving)



Send your information

Send us a 3D model of the part, or a sample part, along with EMI's Standard EOAT or Machine Tending datasheet.

Interactive datasheets can be downloaded from our website. Send files to: Sales@EMICorp.com or upload them to our FTP site: www.emicorp.sharefile.com/share/filedrop



We will send you a quote

Including drawings and an itemized parts list with prices.

Designs typically take 2–4 weeks from the time we have all the required information. EMI can manufacture custom items, such as robot mounting plates and 3D printed parts fingers, to meet your complete EOAT requirements.

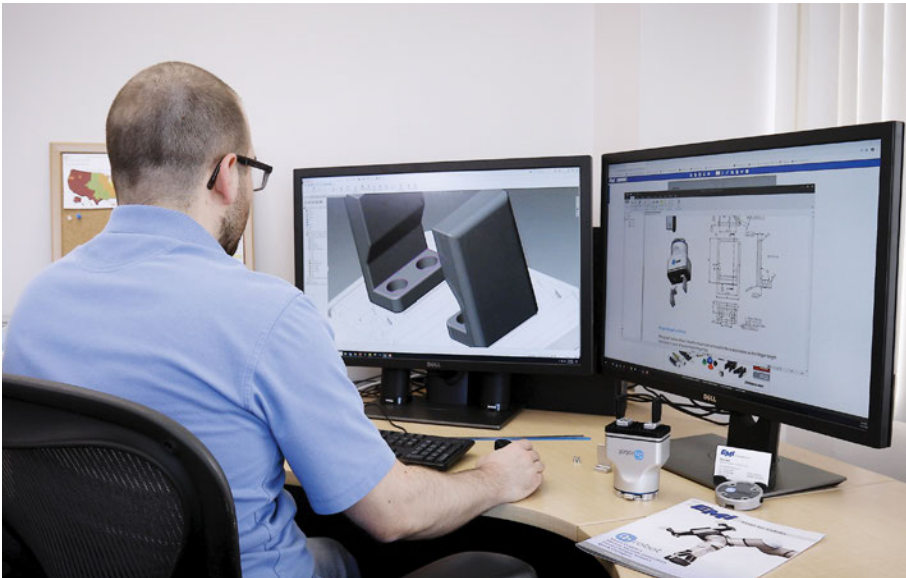


Support you can count on

Regional Sales Managers and Engineers on call.

EMI's Experienced Engineering Department is dedicated to help design and support all your EOAT and Cobot needs. We're easily accessible, friendly, and helpful. Give us a call and let us help you. Email: Sales@EMICorp.com or Call: 216-535-4848

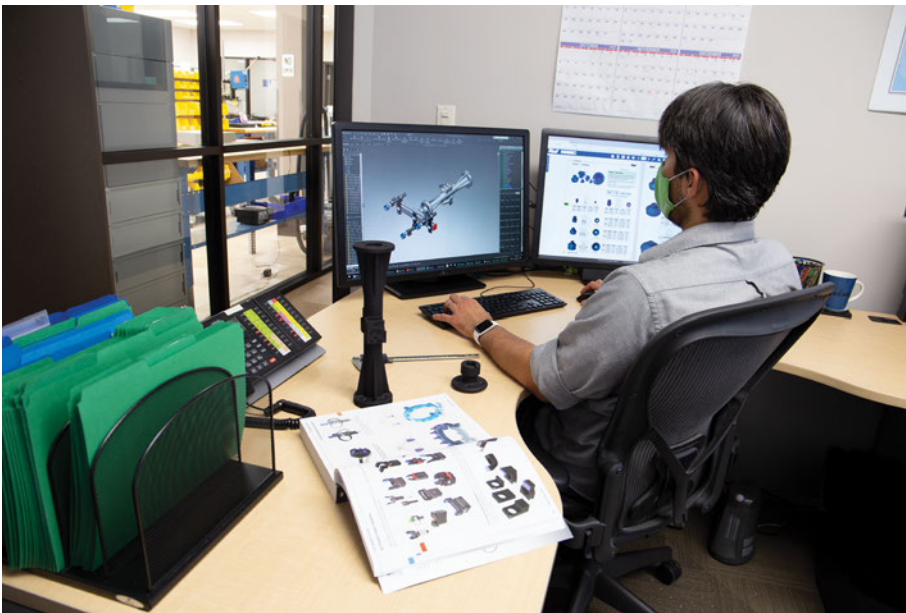
See page 1082 for more information about EMI's EOAT Design Assistance



Customer-Focused Engineering

Lets talk EOAT!

EOAT Engineers are available via phone, email, chat or video call. They will work with you on a degating test, vacuum cup recommendation, cobot kit demo, 3D printed fingers or your next multi-EOAT project set.



EOAT Experts

EMI does EOAT in a big way!

Design assistance is meant to suggest a possible design assembly, so there may be some tweaks or modifications to be made once you have built the tooling. EMI's in-house Engineering department of 20 EOAT engineers is dedicated to supporting all your needs. No question is too small and no project has been too large.



EOAT Build Service

Get expert assembly by EMI and save time!

Get the benefit of a reliable, professionally built EOAT when you have EMI's experienced technicians assemble your tool. Many customers find that EMI's complete design and build service is the most economical solution. Take the assembled EOAT out of the box and install it on your robot.



EMI's In-House Custom Approach

Find a Perfect Lightweight & Cost Effective Solution!

EMI's in-house laser cutting and 3D printing service allows us to provide considerable time and cost savings without sacrificing quality.

See page 86 for more information about our Laser-Cut Plate EOAT service.

Custom 3D Printed or Machined Fingers from EMI!

EMI's in-house 3D printing and CNC equipment allow us to provide custom fingers quickly and cost effectively.

See page 102 for more information about our 3D Printing service and how to pick the best option for your application!



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January 2021 • Contact Us

EMI
PRO Teachable Sensors SN/SS
www.emi.com

Teachable PRO Sensors for EOAT

Complete Mounting of Gripper Jaw Position
Less Wires, Less Wiring
One Sensor, 3 positions

EMI

Teachable 3-Position Sensors for EOAT

Gimatic PRO-SS and PRO-SN sensors are digital magnetoresistive sensors with up to 3 programmable output signals, for example: gripper fully open, gripper fully closed, and part gripped. **Highly accurate, this sensor is ideal for part confirmation/mid-stroke detection for any size gripper.**

Gimatic PRO-SSR sensors have 3 output signals, 2 of which are programmable while the third is driven by a NOR logic gate. These are useful in instances when the sensing position may vary; simply teach the sensor the outer limits (open and closed positions) and the third output will activate when neither signal 1 or 2 are active. **Perfect for spigot applications where the spigot sizes can differ and part picking where the part size can change depending on position.**

Shop Now
In Stock - Ready to Ship

Features:

- Easy single button programming.
- Ideal for applications where space is limited and multiple output signals are needed.
- For Gimatic C shaped sensor slots and fixed in place with set screw.
- Each output can be independently configured to Normally Open or Normally Closed and is clearly identified by LEDs.
- Wide +/- 30mm sensing range (relative to the magnet and the sensor).

This custom End of Arm Tooling automates a bag filling operation, performing three part pick sequences and one loading sequence to fill a bag with six unique parts.

Subscribe to our **Monthly Newsletter!**

Our Engineers are constantly researching new products that are applicable to your processes. Subscribe to our Newsletter to stay informed!

Connect with us on LinkedIn

We've found that LinkedIn is a useful forum for us to share ideas, tips and more while also staying connected with friends and associates as they move and grow. Follow us today!



Visit and subscribe to EMI's YouTube channel to watch the latest videos on our EOAT products!

We are constantly adding new content to our YouTube page. From product overviews to in-depth how-to videos, we are sure you'll find our video's helpful.

