Design Assistance Datasheet

*All fields are required

Customer Information

Company Name:

Contact:

Address:

City: State: Zip Code:

Telephone:

Email:

Is this address: ☐ Bill to ☐ Ship to ☐ Both

Check One:

☐ I'm interested in receiving EMI's Complete EOAT Design Service and quote.

This typically includes detailed 3D CAD renderings and a firm quoted price. Lead time for this service is dependent on complexity and workload.

☐ In a hurry? Ask about EMI's new Quick Quote service and whether it is appropriate for your EOAT project. (Quick Quotes don't include 3D renderings.)

This includes a general description of the EOAT outlining main components and budgetary pricing. Before we enter the formal design stage for this project, more details and information (3D part files, sample parts, etc.) are normally required. If new info results in significant deviation from the design outlined in the budgetary quote will require a reconsideration of the design and budgetary estimate will be necessary.

Optional Maintenance Kit

☐ I would like a Maintenance Kit for this EOAT.

A maintenance kit includes wearable items such as vacuum cups, pads, 3D printed components, fingers, etc.

Required Items:

☐ Send this completed Datasheet to: EOATengineering@EMIcorp.com

☐ Send a 3D solid model of your part in STEP (.step) or Parasolid (.x_t) file format to: EOATengineering@EMIcorp.com
For larger file sizes we can provide an upload link to our secure FTP site.
(If a 3D part file is not available, then a 2D file will be helpful with some dimensions)

☐ If available, send sample parts and inserts (if applicable) to: EMI EOAT Engineering, 28300 Euclid Ave. Wickliffe, Ohio 44092
(For certain applications samples may be mandatory)

Part Information

Part Name / I.D.#:

Material:

Part Temperature During Ejection (°C / °F):

Total Shot Weight (g/kg/lbs):

Number of Cavities:

Part Finish:

☐ Smooth ☐ Textured ☐ To be Painted

Application Type

Check all that apply:

☐ Part(s) Picking

☐ Sprue / Runner Picking

☐ Degating*

Maximum Allowable Vestige (mm/in):

☐ Insert Loading*

☐ Other* (Please Specify):

*Additional information may be requested

What to Expect from EMI:

Once we receive this completed datasheet along with the 3D/2D data and/or samples, we will place your project in our engineering queue. Our engineering department will contact you if any additional information is required. We will not place an application in our design queue until we determine sufficient information is available to start a design. The lead time is dependent on complexity and workload.

Design Assistance Datasheet

Mold Information

Cycle Time:

Sprue / Runner Present? ☐ Yes ☐ No

Is the Sprue/Runner Attached to Parts After Ejection?
☐ Yes ☐ No

Upon Ejection, do Parts & Runners?
☐ Stick on Ejector Pins ☐ Sag ☐ Fall

Will EOAT Drop Parts & Runners? ☐ Together ☐ Separately

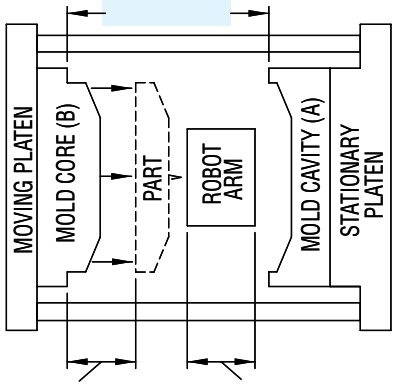
Any Force, Twisting, Bending, Lifting Required to Remove Parts?
☐ Yes* ☐ No

*Engineer will contact you to discuss. Any pictures or video you can provide would be appreciated

Mold Clearance

TOP OF MOLD VIEW

MOLD OPENING:

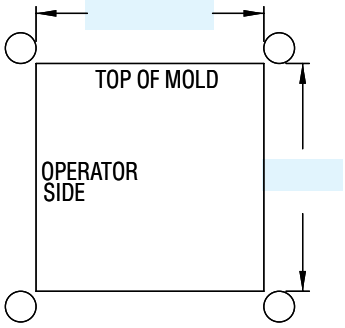


EJECTOR STROKE:

ROBOT ARM WIDTH:

CORE PLAN VIEW

SPACE BETWEEN TIE BARS:



Robot Information

Robot Manufacturer:

Robot Type: ☐ 3-axis ☐ 3-axis Servo ☐ 6-axis ☐ Sprue Picker

Robot Entry: ☐ Top ☐ Side

Robot Maximum Payload Capacity (kg/lbs):

Do you Require Sensors for Part Verification: ☐ Yes ☐ No

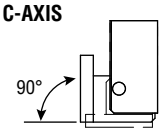
Do you Require Sensors for Sprue/Runner Verification:
☐ Yes ☐ No

Signal Type: ☐ PNP ☐ NPN

Number of Vacuum Circuits Available:

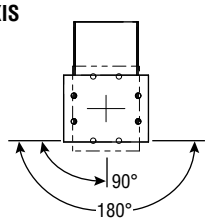
Number of Compressed Air Circuits Available:

C-AXIS



Robot Wrist Flip:
☐ Yes ☐ No ☐ None

A-AXIS



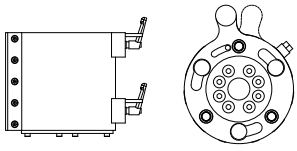
Robot Wrist Rotation:
☐ Yes ☐ No ☐ None

Robot Mounting

Do you Require a Quick Changer?
Check all that apply:

☐ EOAT Side ☐ Robot Side ☐ None

Style:



☐ Dovetail ☐ Gimatic/Senvex ☐ Other:

Quick Changer Model No. / Size:

Robot Mounting Plate

Please Specify:

☐ EMI to supply finished plate with holes drilled to fit my robot (2D Drawing Required)

☐ EMI to supply blank plate, I will drill holes.

Notes:

Submit Form to: EOATengineering@EMIcorp.com