

# 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. The lead time is dependent on complexity and work load. Contact engineering for more information.*

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.*

## Required Items:

Send this completed Application 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 Vestage (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 work load. Contact engineering for more information.

# 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

## 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:

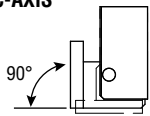
Yes    No

Signal Type:    PNP    NPN

Number of Vacuum Circuits Available: \_\_\_\_\_

Number of Compressed Air Circuits Available: \_\_\_\_\_

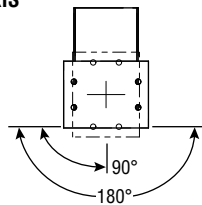
**C-AXIS**



Robot Wrist Flip:

Yes    No

**A-AXIS**

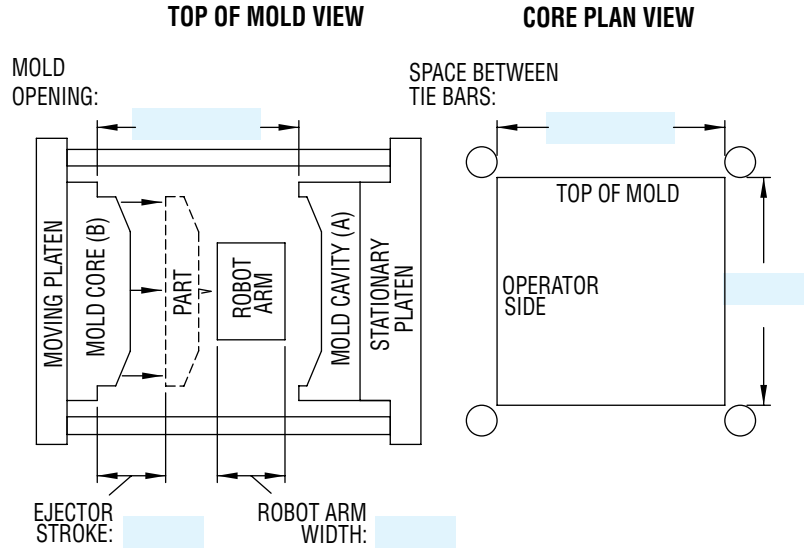


Robot Wrist Rotation:

Yes    No

Notes:

## Mold Clearance



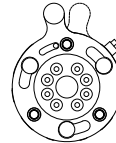
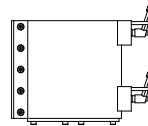
## Robot Mounting

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.