



# ROBOT / AUTOMATION QUESTIONNAIRE

10/01/05

## COMPANY INFORMATION

Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 Contract / Quote: \_\_\_\_\_  
 Info. Submitted by: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Part Names & Numbers: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Describe motions, sequence or operations desired:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Downstream operations required:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## MOLDING MACHINE

Manufacturer, Year & Model #: \_\_\_\_\_  
 \_\_\_\_\_  
 Serial #: \_\_\_\_\_  
 Tonnage: \_\_\_\_\_  
 Controller Name: \_\_\_\_\_  
 (i.e., Pathfinder, CAMAC, Seimans, NC-8000)  
 Controller Type:  Relay  Solid State  
 Microprocessor  
 Controller Voltage: \_\_\_\_\_  
 Plant Voltage: \_\_\_\_\_  
 Connection:  Terminal Block  SPI Connector

## MOLD

Number of plates:  Two  Three  Stack Mold  
 Number of cavities: \_\_\_\_\_  
 Runner type:  Edge-gated  Subgate  Hot runner  
 Sprue Gate  Other  
 Sprue condition:  Molten  Formed  No Sprue  
 Parts remain on:  Stationary side  Moving side  
 Present overall cycle time: \_\_\_\_\_  
 Present mold open time (dwell time): \_\_\_\_\_  
 Ejector system:  Hydraulic  Mechanical  
 Temperature of ejected parts: \_\_\_\_\_  
**Maximum vertical measurement between the highest and lowest point of cavity:** \_\_\_\_\_

## MOLDING CONDITIONS

Automatic Cycle / Drop  Semi-Automatic / Operator  
 Do parts fall when ejectors come forward?  Yes  No  
 Can ejector stroke be set so that parts are held, but not dropped?  Yes  No  
 Is any force required to remove the parts from the mold?  Yes  No  
 Are parts ejected straight off the mold?  Yes  No If no, describe \_\_\_\_\_  
 Are there any limitations or special requirements when gripping and removing parts from the mold?  Yes  No  
 If so, describe \_\_\_\_\_  
 Parts are to be released on the  Operator side  Rear side  
 Is mold release spray system required?  Yes  No If yes, type of release: \_\_\_\_\_  
 Degating required?  Yes  No Tolerance of gate cut: \_\_\_\_\_

### Sailor Automation, Inc.

#### Headquarters

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## Injection Molding Machine's Information

Injection Molding Machine Maker : \_\_\_\_\_  
Model : \_\_\_\_\_  
Year : \_\_\_\_\_  
Serial No : \_\_\_\_\_  
Clamping Force : \_\_\_\_\_

