

Empresa \_\_\_\_\_

E-mail \_\_\_\_\_

Telefone \_\_\_\_\_

Send to:  
 comercial@fluidotronica.com  
 For more information:  
 +351 256 681 957  
 www.fluidotronica.com



Please fill out the following questionnaire carefully so we can select the right product for you. Please note that we can only guarantee the best choice for you if all information is completely available. If important information is missing, we will contact you. You can complement this information with photographs, 3D files, etc.

**HANDLING**

**Tipo de robô**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Linear                          | Robot Entry <input type="checkbox"/> Top <input type="checkbox"/> Side    | Existing Robot Side Quick Changer <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Swivel axes [No. of axes] _____ | Robot Wrist Flip <input type="checkbox"/> Yes <input type="checkbox"/> No | Robot Wrist Rotation <input type="checkbox"/> Yes <input type="checkbox"/> No              |
| <input type="checkbox"/> Model name _____                | Robot Payload Capacity [kg] _____   | Manufacturer / Type: _____   |

**Media supply**

- No. of vacuum circuits \_\_\_\_\_
- Number of compressed air circuits \_\_\_\_\_ bar ( \_\_\_\_\_ psi)
- Ø hose [mm] \_\_\_\_\_
- OD  ID
- Hose length [mm] \_\_\_\_\_

**Vacuum generation**

- By FIPA
- By the customer
- No. of ejectors \_\_\_ type \_\_\_\_\_
- Pump
- Side channel blower
- Other: \_\_\_\_\_

**Field bus connection:**

- ASI
- Profibus
- Other: \_\_\_\_\_

**Electric gripper system interface**

- Sensor type  PNP  NPN

**Electrical connector type [Robot side]**

- M8 connector (3 pins) (Female connector at robot)
- M12 connector (4 pins) (Female connector at robot)
- SUB-D connector (25 pins) (Female connector at robot, please attach specification incl. pin-out!)
- Electrical contacts at quick change system (please attach specification incl. pin-out!)
- Other [please specify]

In order to keep the wiring simple and to save digital inputs at the controller unit, sensors can be AND-combined to supply a common output signal. This common output signal will be positive as long as all sensors supply a positive output signal. Please specify which sensors shall be and-combined (e.g. "all part detection sensors"):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

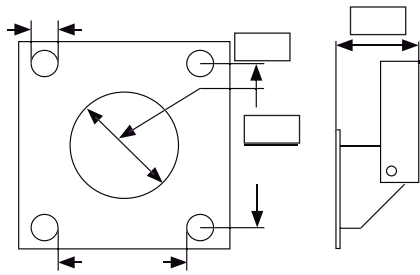
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**GRIPPER MOUNTING**

**Sketch - robot adapter plate**



**Robot adapter plate**

Size [mm] \_\_\_\_\_  
 Spring loaded  Lift [mm] \_\_\_\_\_  
 Type \_\_\_\_\_  
 Name \_\_\_\_\_

**Gripper base plate**

Size [mm] \_\_\_\_\_  
 Spring loaded  Lift [mm] \_\_\_\_\_  
 Type \_\_\_\_\_  
 Name \_\_\_\_\_

Comments

\_\_\_\_\_  
 \_\_\_\_\_

**TOOL**

Tool opening size [mm]

\_\_\_\_\_

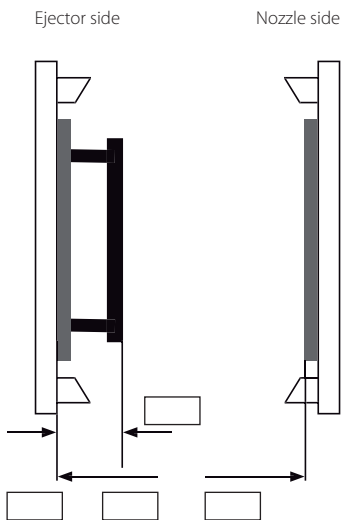
Robot space requirement in x-direction [mm] \_\_\_\_\_

Robot space requirement in y-direction [mm] \_\_\_\_\_

Robot space requirement in z-direction [mm] \_\_\_\_\_

**Die-Casting Machine**

**Sketch**



Tie-bar thickness [mm] \_\_\_\_\_

Tie-bar spacing - horizontal - horizontal [mm] \_\_\_\_\_

Tie-bar spacing - vertical - vertical [mm] \_\_\_\_\_

Type of Mould  Hot Runner  3-Plate Mould  
 Vertical Corepull  Subgated  
 Other \_\_\_\_\_

Ejection  Moving Half  Fixed Half

Do parts fall or sag during or after ejection?  Yes  No

Is any force, twisting, bending, lifting required to remove parts?

Yes  No

Double stroke?  Yes  No

**Description**

\_\_\_\_\_  
 \_\_\_\_\_

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**COMPONENT**

**Material**

- Fabric
- Film
- Metal
- Magnetic material
- Silicon
- Plastic [Type] \_\_\_\_\_
- Other: \_\_\_\_\_

**Surface**

- Non-marking
- Matt
- Shiny
- Textured
- Grained
- Other: \_\_\_\_\_

**Subsequent process stages**

- Cutting station
- Other: \_\_\_\_\_

**Feeding of injection-mould**

- Roll
- Magazine
- Provisioning
- Vibrating conveyor

**Further Information**

Part Name / I.D. \_\_\_\_\_

Part temperature during ejection [°C] \_\_\_\_\_

Total shot weight \_\_\_\_\_

Number of Cavities \_\_\_\_\_

**APPLICATION**

**Item Insert**

- Ejector side
  - Nozzle side
- Technical specifications available
- Yes       No

**Item placed on:**

- Conveyor belt
- Pallet
- Container
- Tray
- Fixture
- Other: \_\_\_\_\_

**Cycle time**

Withdrawal time [seconds] \_\_\_\_\_

Feeding time [seconds] \_\_\_\_\_

Total cycle time [seconds] \_\_\_\_\_

**Description of process**

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**GRIPPER DESIGN**

**Gripper elements**

- |   |                                |  |  |
|---|--------------------------------|--|--|
| <input type="checkbox"/> Suction cups [quantity] _____      | <input type="checkbox"/> Fixed | <input type="checkbox"/> Spring loaded | <input type="checkbox"/> Lifting cylinder  |
| <input type="checkbox"/> Gripper fingers [quantity] _____   | <input type="checkbox"/> Fixed | <input type="checkbox"/> Spring loaded | <input type="checkbox"/> Lifting cylinder <input type="checkbox"/> With monitoring |
| <input type="checkbox"/> Parallel grippers [quantity] _____ | <input type="checkbox"/> Fixed | <input type="checkbox"/> Spring loaded | <input type="checkbox"/> Lifting cylinder <input type="checkbox"/> With monitoring |
| <input type="checkbox"/> Sprue grippers [quantity] _____    | <input type="checkbox"/> Fixed | <input type="checkbox"/> Spring loaded | <input type="checkbox"/> Lifting cylinder <input type="checkbox"/> With monitoring |
| <input type="checkbox"/> Magnetic grippers [quant.] _____   | <input type="checkbox"/> Fixed | <input type="checkbox"/> Spring loaded | <input type="checkbox"/> Lifting cylinder  |
| <input type="checkbox"/> Air nippers [quantity] _____       | <input type="checkbox"/> Fixed | <input type="checkbox"/> Spring loaded | <input type="checkbox"/> Lifting cylinder  |
| <input type="checkbox"/> Needle grippers [quantity] _____   | <input type="checkbox"/> Fixed | <input type="checkbox"/> Spring loaded | <input type="checkbox"/> Lifting cylinder  |

**Parts inspection**

- Vacuum [quant.] \_\_\_\_\_
- Optical [quant.] \_\_\_\_\_

**Degating Required**

- N/A
- On EOAT
- Separate Degate-Station

**Further information**

Gripper dimensions [LxWxH in mm] \_\_\_\_\_

Dimensions of the inserts [preferably the design and/or pattern enclose] \_\_\_\_\_

- Functional/requirement specification  Yes  No of \_\_\_\_\_ to be used
- Relevant factory standards  Yes  No of \_\_\_\_\_ to be used

**Comments**

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