

# Material Removal

## Application Checksheet



Please email completed form to your ATI contact or [Applications.Engineers@novanta.com](mailto:Applications.Engineers@novanta.com)

*This form provides necessary, preliminary information about your application to our engineers. Please Provide as much information as possible so that we can offer you a suitable solution quickly. More information will assist in improving our response time. After evaluation the application and recommend a tool, our sales team will provide a quote and lead time.*

*Any pictures or videos can be included as an email attachment when you return this form to your ATI contact.*

### Customer Contact Information

### Company Address

Contact Person:

Phone

Email

### Application Information:

1) Are you able to supply 6.2 bar / 90 psi shop air pressure?

2) If necessary, are you able to supply/add lubrication to your air line?

3) What material is your part?  
*e.g. Aluminum, Stainless Steel, 45% Glass Filled Polyester, Ductile Iron*

4) Please describe your part (including any dimensional details)  
*Please attach photos and videos to the email to your ATI contact. Highlighting the areas to deburr is also very helpful. See example below*

**Raw Part**



**Deburr Path**



**Finished Part**



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5) What are the most common burr/flash/weld dimensions (height x width x thickness)

6) What are the worst case burr dimensions? (height x width x thickness)

Example pictures of burr dimensions:

**Burr Thickness Measured**



**Burr height Measured**



**Burr Height and Width Defined**



7) What do you hope to accomplish in this process? (e.g. polishing, chamfering, sanding)

8) Is there a surface finish requirement or an edge break tolerance? Is this a class A type finish?

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9) How was the part made? (e.g. casted, machined, injection molded)

10) Please describe your current manual process for this part

*Please provide any pictures or videos available and describe the current processing detail, including any specifications of tools and media being used. Is this process successful?*

11) Do you have an ATI deburring tool or Compliance direction in mind? If so, which?

12) What is the make and model of your robot?

*If not yet determined, please include any known technical details/constraints (reach, payload, cobot etc)*

13) Are you planning to bring the part to the tool or tool to the part?

14) Do you have any cycle time specifications? (linear feed rate per second, cycle time per part)

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