

Teaching materials

Deliverable 1. Platform operation

MISCE project

Mechatronics for Improving and Standardizing Competences in Engineering



Competence: Automation Technology

Workgroup: University of Cagliari

University of Cassino and Southern Lazio



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Mechatronics for Improving and Standardizing Competences in Engineering, MISCE

Competence: Working with machinery
and specialised equipment

Document: Deliverable 1. Platform
operation

This document corresponds to the first deliverable for the competence “Working with machinery and specialised equipment” in order to use with all ‘Test-Bed’ in Automation Technology.

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Visit <https://misceproject.eu/> for more information.



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1 How to load a file

In order to connect print the components for the test-bed, please select the correct sequence:

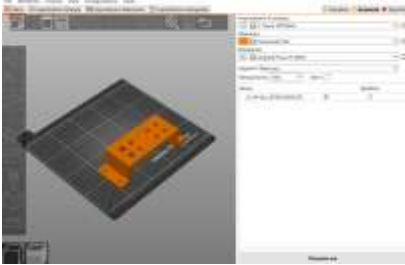
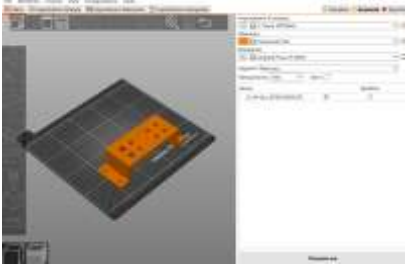
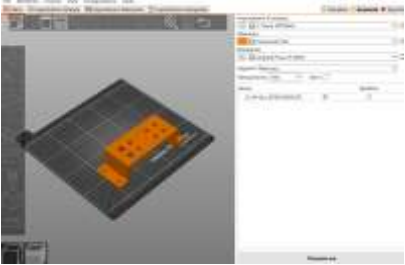
<ul style="list-style-type: none">• Open the “Prusa slicer”• Upload the component in SAT format  <ul style="list-style-type: none">• Click “Execute Mesh” <p>a)</p>	<ul style="list-style-type: none">• Open the “Prusa slicer”• Upload the component in STL format  <ul style="list-style-type: none">• Click “Execute Mesh” <p>b)</p>	<ul style="list-style-type: none">• Open the “Prusa slicer”• Upload the component in PDF format  <ul style="list-style-type: none">• Click “Execute Mesh” <p>c)</p>
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Figure 1. Procedure to start the first time the PLC.

Please write here the correct answer: (a, b, c): _____

If the file will be outside of the working are, the component will be processed?

☐ Yes

☐ No

In both case, can you explain your answer?

2 Changing of the parameters

In order to how to change the material, please select the correct answer:

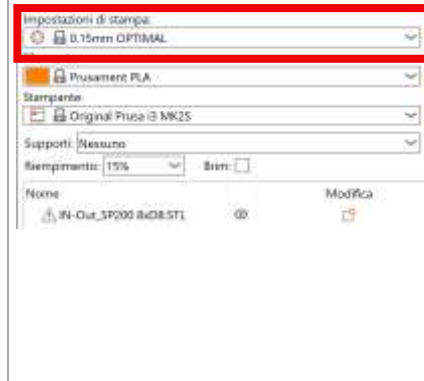
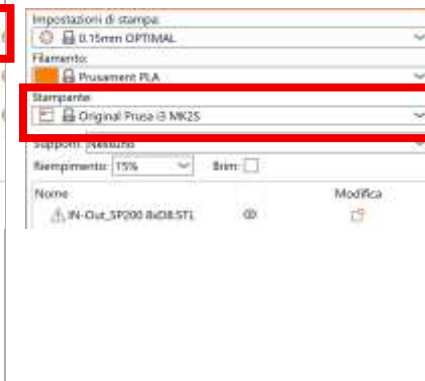
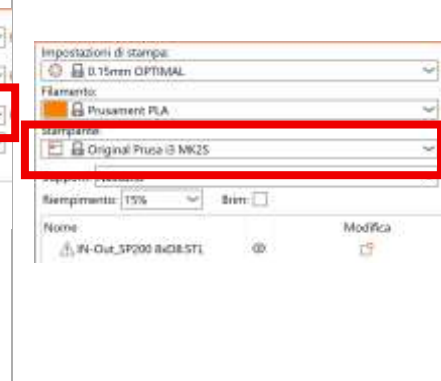
<p>• Click on 'RED' button.</p>  <p>a)</p>	<p>• Click on 'RED' button.</p>  <p>b)</p>	<p>• Click on 'RED' button.</p>  <p>c)</p>
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Figure 2. How to change the parameters .

Please write here the correct answer: (a, b, c): _____

If we select a different name of the printer, the printing procedure will be realized?

☐ Yes

☐ No

In both case, can you explain your answer?



3 Printing

In which figure is reported the component ready to be exported in G-code?

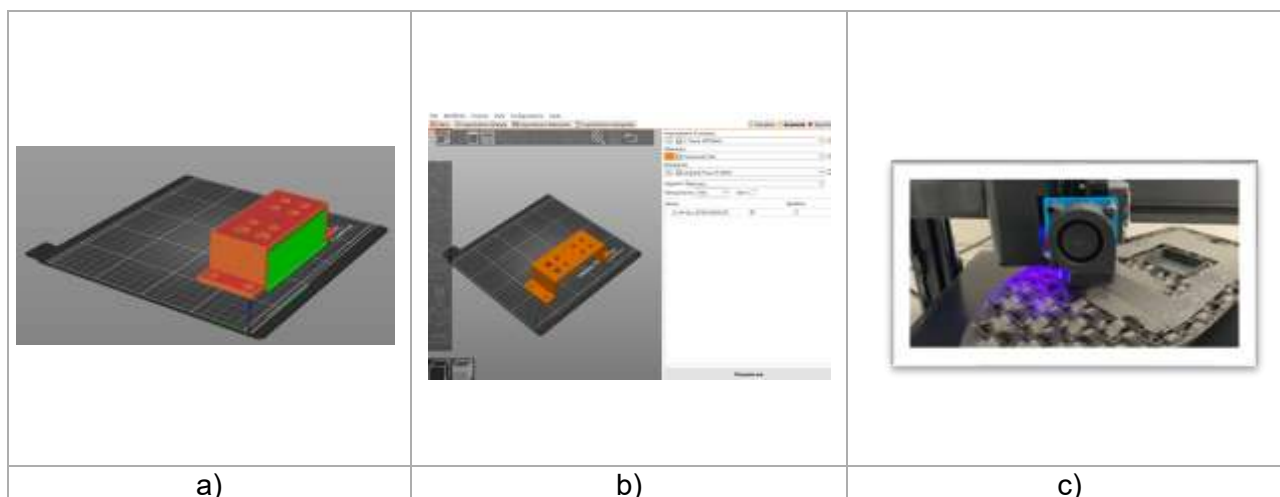


Figure 3. Printing operation .

Please write here the correct answer: (a, b, c): _____