

DRIVERE

<http://arduino.org>

Download

Alpha Release

[Learn more](#) about the new open source development en Arduino Programming Language.

- [What's new?](#)
- [Download](#)
- [How to Arduino Studio](#)

Arduino 1.7.7

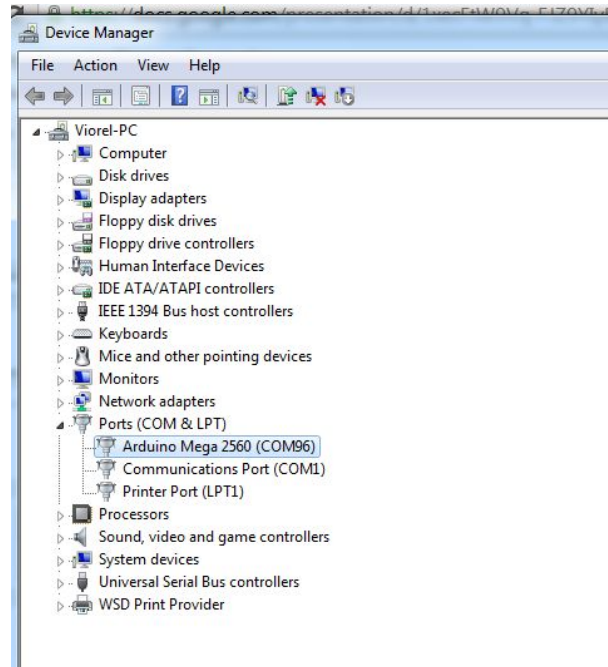
Download:

- Windows: [Installer](#)
- Windows: [ZIP file](#) (for non-administrator install)
- Mac OS X: [Zip file](#) (Java 7 or newer required)
- Linux: [32 bit](#), [64 bit](#)

DRIVERE

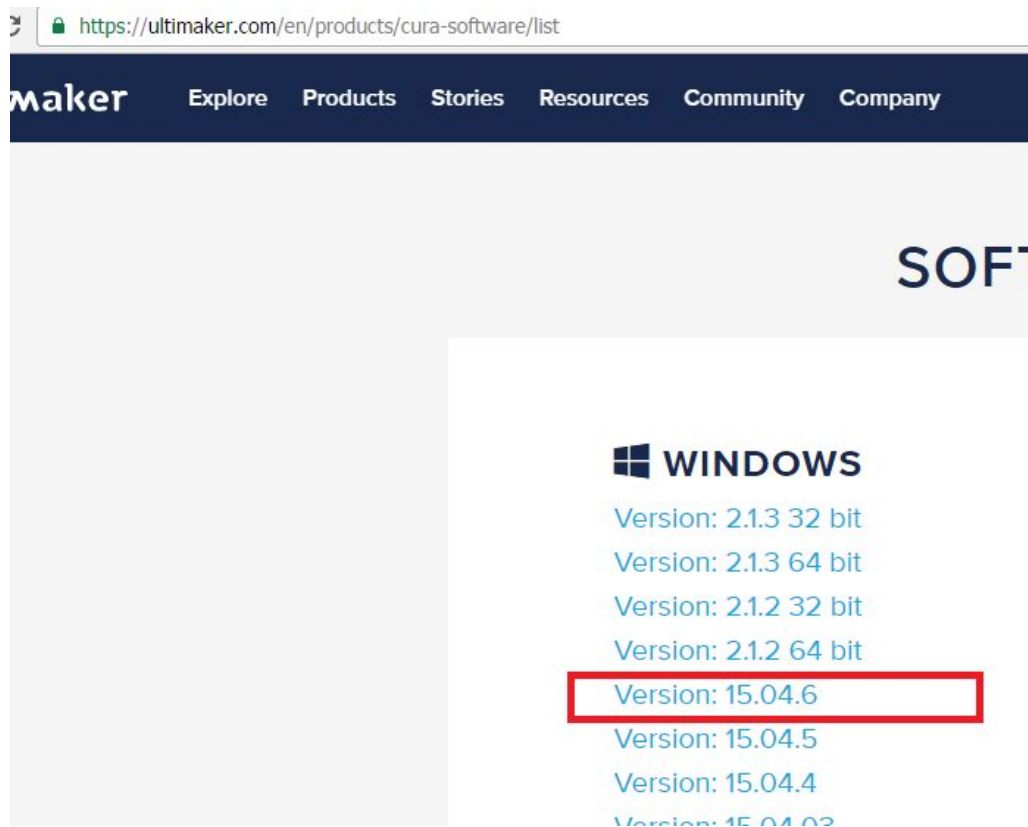
Dezarhivezi zip-ul, infigi imprimanta in USB, selectezi “Have Drivers”, ii indici folder-ul “drivers” din folder-ul dezarhivat

In Device Manager ar trebui sa vezi un nou port marcat “Arduino Mega 2560”.



CURA

<https://ultimaker.com/en/products/cura-software/list>



The screenshot shows the Ultimaker website's Cura software list page. The browser's address bar displays the URL <https://ultimaker.com/en/products/cura-software/list>. The website's navigation bar includes links for Explore, Products, Stories, Resources, Community, and Company. The main heading 'SOFT' is partially visible. Under the 'WINDOWS' section, a list of software versions is shown, with 'Version: 15.04.6' highlighted by a red rectangular box.

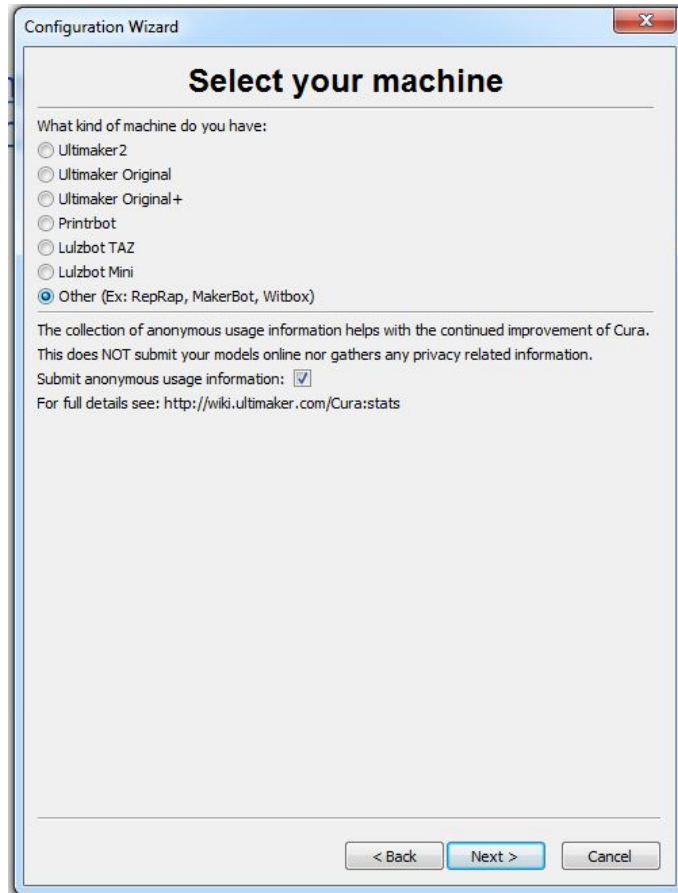
maker Explore Products Stories Resources Community Company

SOFT

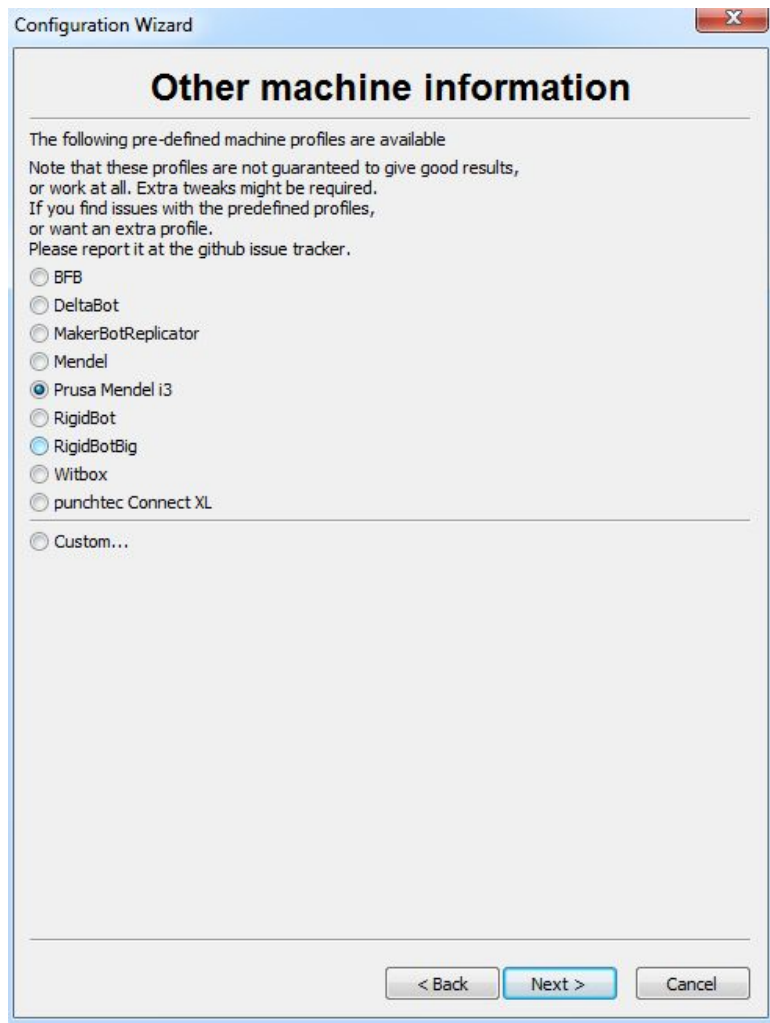
WINDOWS

- Version: 2.1.3 32 bit
- Version: 2.1.3 64 bit
- Version: 2.1.2 32 bit
- Version: 2.1.2 64 bit
- Version: 15.04.6**
- Version: 15.04.5
- Version: 15.04.4
- Version: 15.04.3

CURA



CURA



CURA BASIC

Cura - 15.04.2

File Tools Machine Expert Help

Basic | Advanced | Plugins | Start/End-GCode

Quality

Layer height (mm)

Shell thickness (mm)

Enable retraction ☒

Fill

Bottom/Top thickness (mm)

Fill Density (%)

Speed and Temperature

Print speed (mm/s)

Printing temperature (C)

Bed temperature (C)

Support

Support type

Platform adhesion type

Filament

Diameter (mm)

Flow (%)

CURA ADVANCED

Cura - 15.04.2

File Tools Machine Expert Help

Basic Advanced Plugins Start/End-GCode

Machine

Nozzle size (mm)

Retraction

Speed (mm/s)

Distance (mm)

Quality

Initial layer thickness (mm)

Initial layer line width (%)

Cut off object bottom (mm)

Dual extrusion overlap (mm)

Speed

Travel speed (mm/s)

Bottom layer speed (mm/s)

Infill speed (mm/s)

Top/bottom speed (mm/s)

Outer shell speed (mm/s)

Inner shell speed (mm/s)

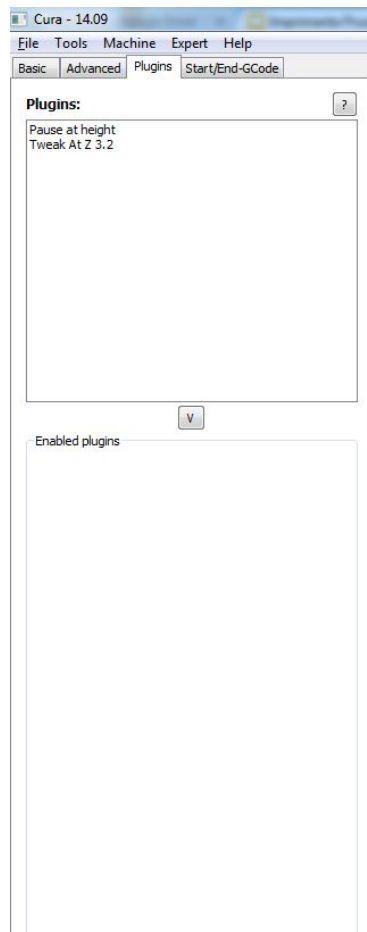
Cool

Minimal layer time (sec)

Enable cooling fan ☒

CURA PLUGINS

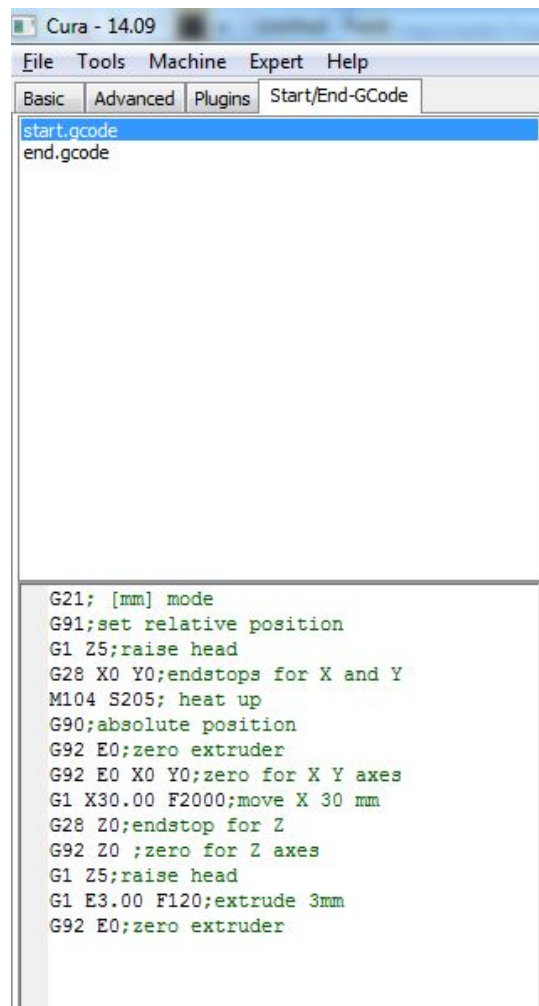
(nu ai nimic de facut in
ecranul asta)



CURA START/END G-CODE

modifici start.code ca mai jos

G21; [mm] mode
G91;set relative position
G1 Z5;raise head
G28 X0 Y0;endstops for X and Y
M104 S205; heat up
G90;absolute position
G92 E0;zero extruder
G1 Z15;raise head
G92 E0 X0 Y0;zero for X Y axes
G1 X40.00 F2000;move X axis
G92 X0;zero X axis
G28 Z0;endstop for Z
G92 Z0 ;zero for Z axes
G1 Z15;raise head
G1 E9.00 F120;extrude 9mm
G92 E0;zero extruder



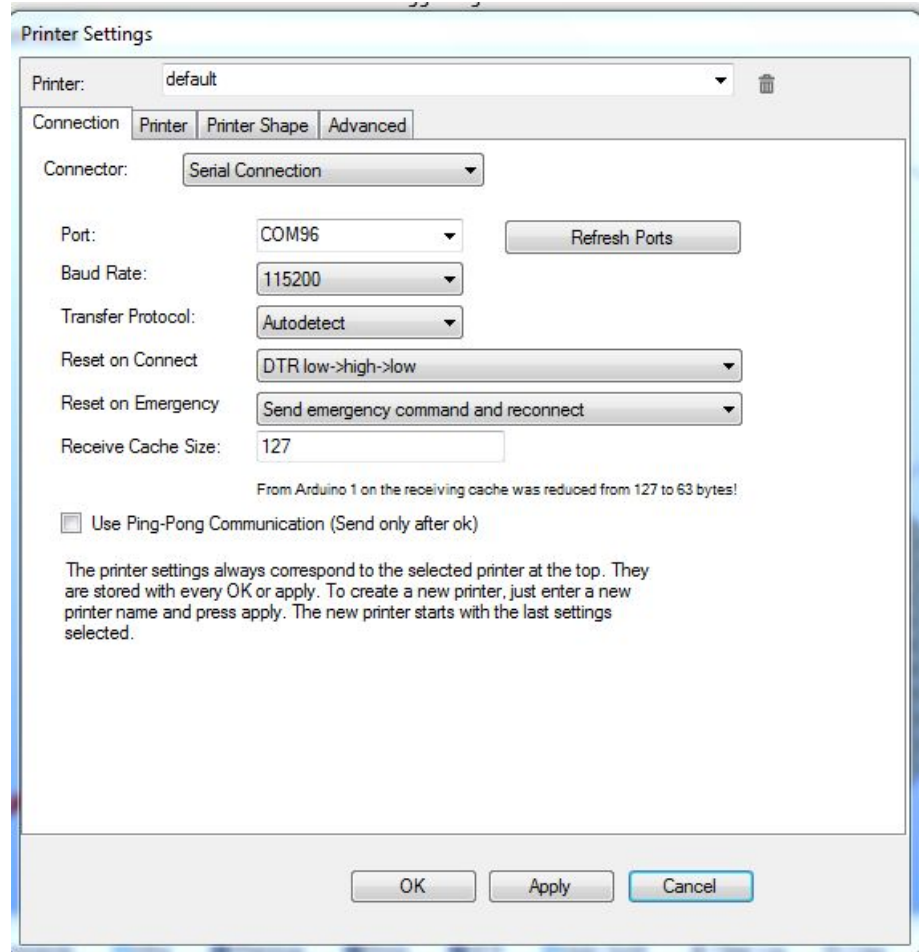
REPETIER

<http://www.repetier.com/download/>

REPETIER

Config -> Printer Settings

modifici Port si Baud Rate



The image shows a 'Printer Settings' dialog box. At the top, there is a 'Printer:' dropdown menu set to 'default' and a trash icon. Below this are three tabs: 'Connection', 'Printer', 'Printer Shape', and 'Advanced'. The 'Connection' tab is active. Inside this tab, there is a 'Connector:' dropdown menu set to 'Serial Connection'. Below this are several settings: 'Port:' set to 'COM96' with a 'Refresh Ports' button to its right; 'Baud Rate:' set to '115200'; 'Transfer Protocol:' set to 'Autodetect'; 'Reset on Connect' set to 'DTR low->high->low'; 'Reset on Emergency' set to 'Send emergency command and reconnect'; and 'Receive Cache Size' set to '127'. A note below these settings states: 'From Arduino 1 on the receiving cache was reduced from 127 to 63 bytes!'. There is a checkbox labeled 'Use Ping-Pong Communication (Send only after ok)' which is currently unchecked. At the bottom of the dialog are three buttons: 'OK', 'Apply', and 'Cancel'. A paragraph of text at the bottom explains that printer settings correspond to the selected printer and are stored with every OK or apply, and provides instructions on how to create a new printer.

Printer Settings

Printer: default

Connection Printer Printer Shape Advanced

Connector: Serial Connection

Port: COM96 Refresh Ports

Baud Rate: 115200

Transfer Protocol: Autodetect

Reset on Connect DTR low->high->low

Reset on Emergency Send emergency command and reconnect

Receive Cache Size: 127

From Arduino 1 on the receiving cache was reduced from 127 to 63 bytes!

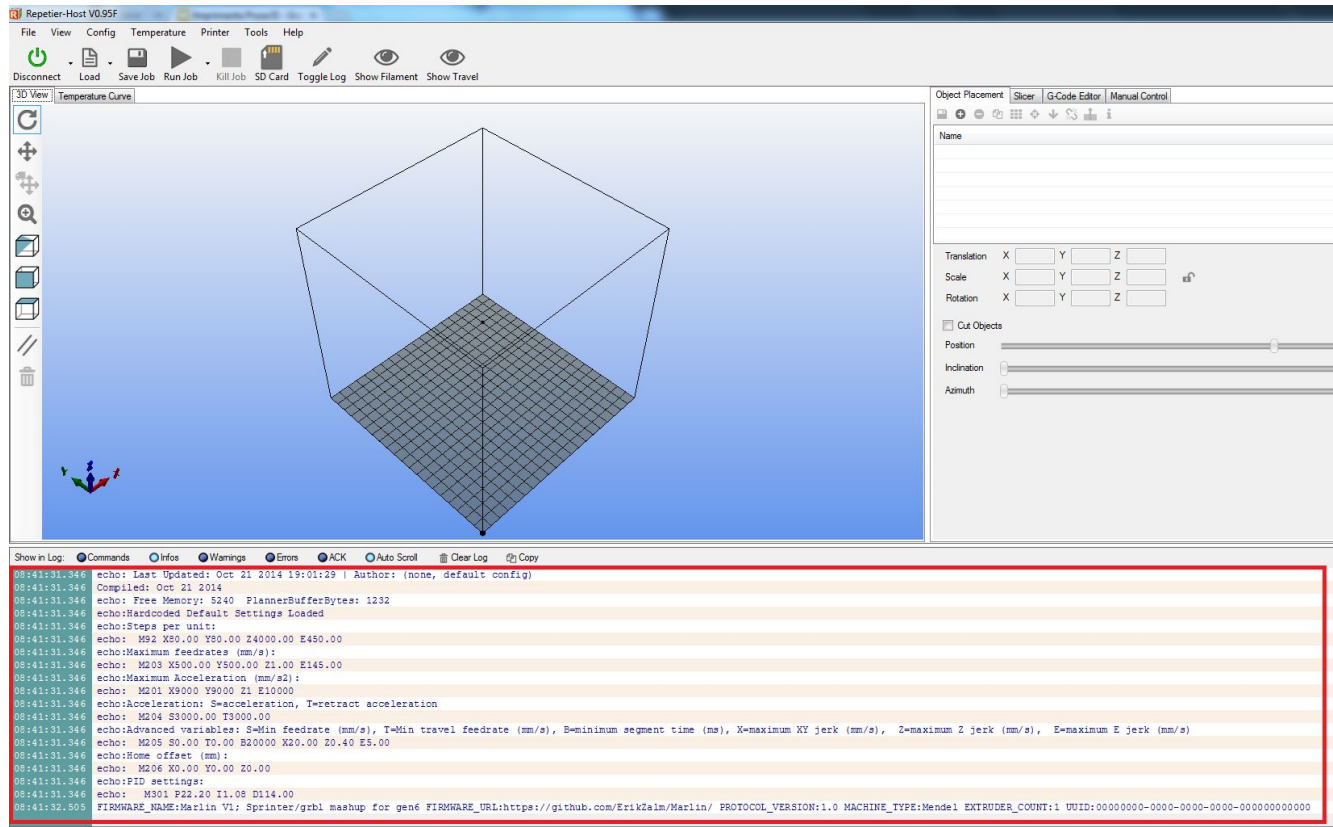
☐ Use Ping-Pong Communication (Send only after ok)

The printer settings always correspond to the selected printer at the top. They are stored with every OK or apply. To create a new printer, just enter a new printer name and press apply. The new printer starts with the last settings selected.

OK Apply Cancel

REPETIER

apesi “Connect”, trebuie sa
vezi ca in imagine



Se aplica pe bed (pe sticla) o data la fiecare 10-15 print-uri
Dupa aplicare se lasa sa se usuce 5-10 minute inainte de print
In principiu, orice lipici similar va functiona, insa cu BIC am
obtinut cele mai bune rezultate

O alta alternativa pentru acoperirea bed-ului este

<http://www.dedeman.ro/ro/amenajari-interioare/adezivi-spume-sili-coane/benzi/mascare/tesa-mascare-4435-rez-la-uv-2-sapt50-30.html> .

Noi am obtinut intotdeauna rezultate mult mai bune cu lipiciul BIC decat cu banda adeziva, recomandam lipici BIC.



Tutoriale Video

<https://vimeo.com/93221203>

<https://vimeo.com/93233253>

parola : robofun

https://www.youtube.com/watch?v=PcXW_7-FaFA

<https://www.youtube.com/watch?v=MboQjmYBlak>

https://www.youtube.com/watch?v=1_u73VKTuEg

<https://www.youtube.com/watch?v=5vCU6mEhAdc>

Schimbare filament (IMPORTANT !)

1. se incalzeste hotend-ul la 205 grade
2. se asteapta 5 minute
3. se invarte manual de roata mare a extruder-ului, in sensul acelor de ceasornic, astfel incat filamentul sa inainteze si sa iasa prin hotend. Se extrudeaza astfel circa 10 cm de filament (masurati in zona groasa a filamentului, deasupra extruder-ului, si NU in zona in care iese din hotend); procesul dureaza vreo 30 de secunde cel putin
4. se extrage filamentul invartind invers roata dintata
5. se taie oblic noul filament
6. se infige noul filament pana cand opune rezistenta, invartind de roata

daca se sare pasul 3, infundarea hotend-ului este aproape garantata :)

Pozitie de zero

- reglaj din elementul mobil din stanga (cel care apasa pe butonul endstop)

Orizontalitate

- reglaj din cele patru piulite

Intrebari, dificultati, print-uri esuate ?

Cel mai simplu este sa trimiteti un email la viorel.spinu@robofun.ro in care sa includeti neaparat :

- cateva poze cu obiectul printat
- 2-3 vorbe despre ce e nu e in regula, daca nu este deja evident din poze
- screenshot-uri cu ecranele de setari din Cura (tab-ul Basic si tab-ul Advanced)

Promitem un raspuns foarte rapid la astfel de emailuri ;)