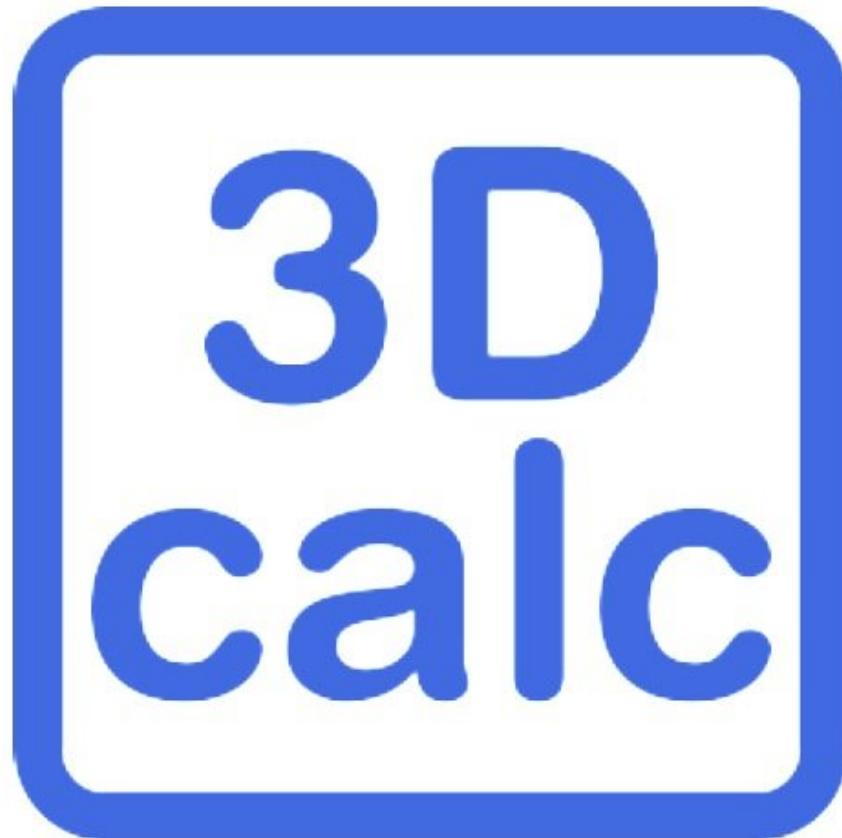




How to set up and use 3DCALC Software

This guide will help you to set up a 3DCALC Software - Unique application for calculations of total 3D printing costs for makers.

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INTRODUCTION

3DCALC Software

is a unique application for calculations of total 3D printing costs for makers. This guide will help you to set up everything in a few easy steps.

TOOLS:

- Microsoft windows 7 (or later) (1)
- wkhtmltopdf tool to render HTML into PDF (1)
- 3DCalc Software (1)

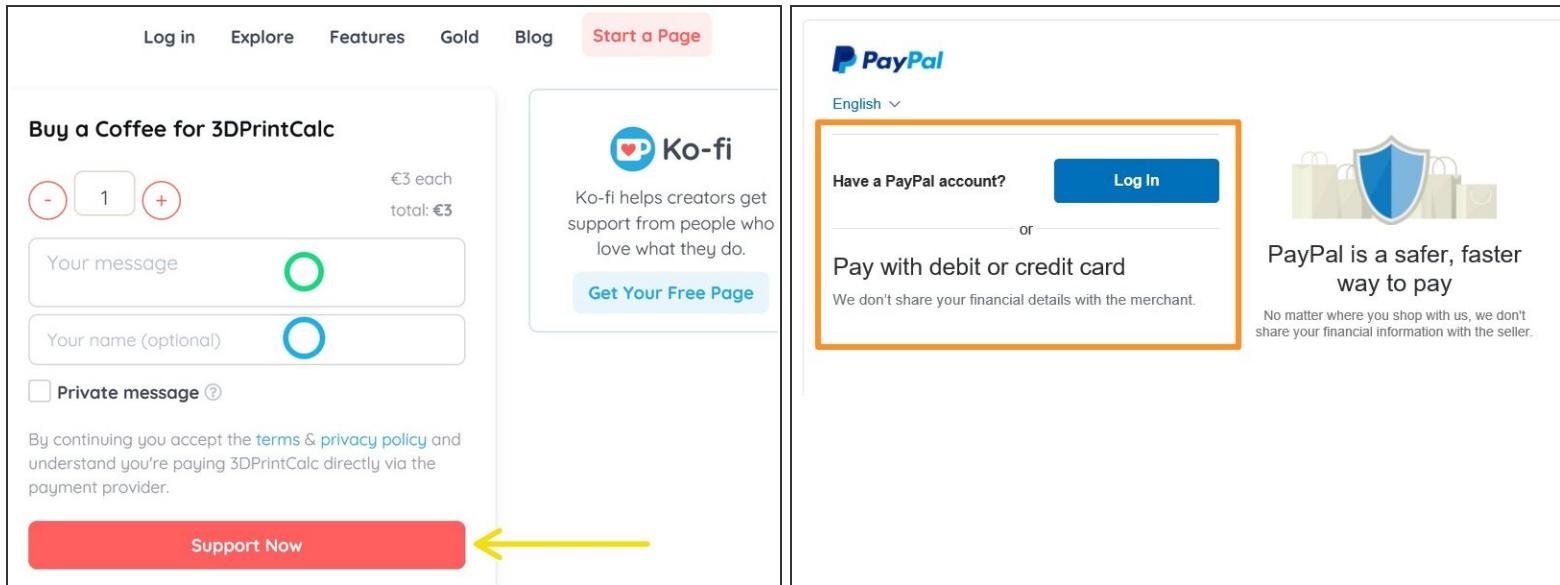
Step 1 — Getting Started



- Start with downloading of the application demo (you can convert it to full version in Step number 2)
- [Download App Here](#)

 Before starting to use software please read our disclaimer: [Disclaimer](#)

Step 2 — How to get a full version



The image contains two screenshots. The left screenshot shows a Ko-fi donation page for '3DCALC'. It has a 'Support Now' button at the bottom, which is highlighted with a yellow arrow. The right screenshot shows a PayPal payment method selection screen, with a box around the 'Log In' and 'Pay with debit or credit card' options.

- The full version of the app will be given to everybody who will buy a "coffee" to developers - visit <https://www.ko-fi.com/3dprintcalc> website
- Fill your email (Will be used for software registration and for access to download repository)
- Fill your name
- Click on the button - you will be redirected to payment method selection
- You can select between PayPal or Card payment

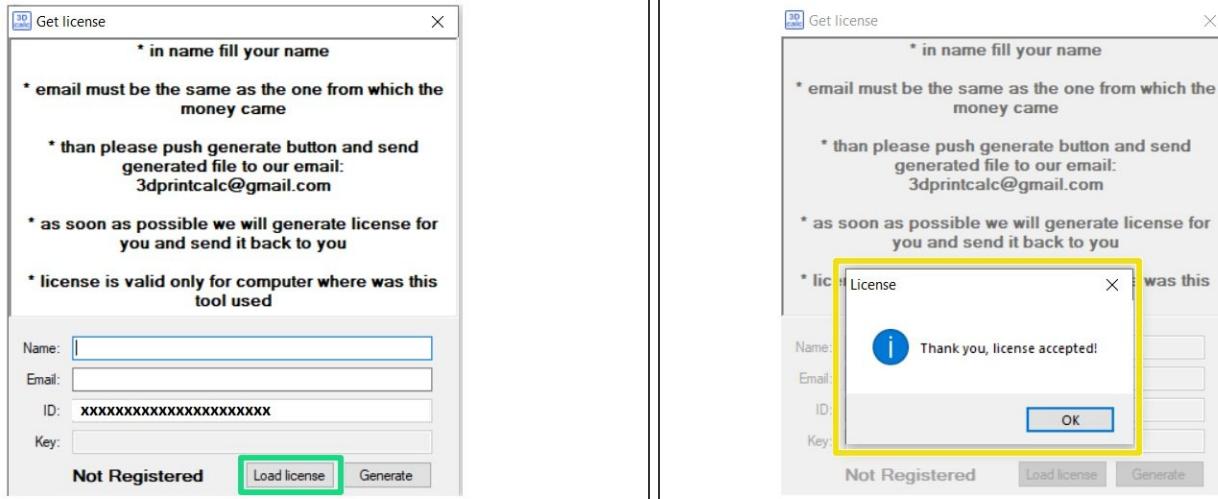
 Double-check your email address!

Step 3 — Licencing First Step

The image shows two windows of the 3DCALC software. The main window on the left is titled '3D print price calculation' and contains sections for 'Customer detail', 'General print details' (including 'Load gcode' with a file icon), 'Preparation', and 'Post-processing'. The 'Costs' section on the right lists items like Filament, Electricity, and Subtotal with input fields. A 'GET LICENSE' button is located at the top right of this window. The second window on the right is titled 'Get license' and contains instructions: 'in name fill your name', 'email must be the same as the one from which the money came', 'than please push generate button and send generated file to our email: 3dprintcalc@gmail.com', 'as soon as possible we will generate license for you and send it back to you', and 'license is valid only for computer where was this tool used'. It has fields for 'Name' (with a red square icon), 'Email' (with a green square icon), 'ID' (containing 'XXXXXXXXXXXXXXXXXXXX'), and 'Key'. At the bottom are buttons for 'Not Registered', 'Load license', and 'Generate' (which is highlighted with a yellow box).

- After you proceed the payment you will get an email with access to download repository
- It usually takes a few hours until an email is delivered.
- Open application (3DPC.exe) and click on button
- Fill your Name (same as in Step 1 —Downloading of application)
- Fill your Email (same as in Step 1 —Downloading of application)
- Click on button
- File *license.xml* will be generated. Send it via email to **3dprintcalc@gmail.com**

Step 4 — Licencing Second Step



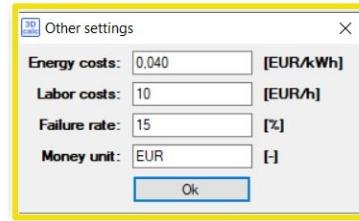
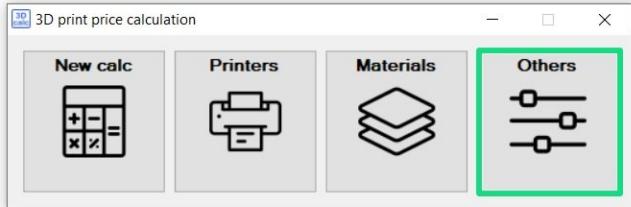
The image contains two side-by-side screenshots of a software window titled 'Get license'. The left screenshot shows the initial form with instructions and fields for Name, Email, ID, and Key. The 'Load license' button is highlighted with a green box. The right screenshot shows a confirmation dialog box with the message 'Thank you, license accepted!' and an 'OK' button, also highlighted with a yellow box.

- After you will get authorized license save it and then load it by clicking on the button
- If your license is accepted, a notification will pop up

⚠ Note that license is hardware locked (It is usable only on the computer when was licensing proceeded).

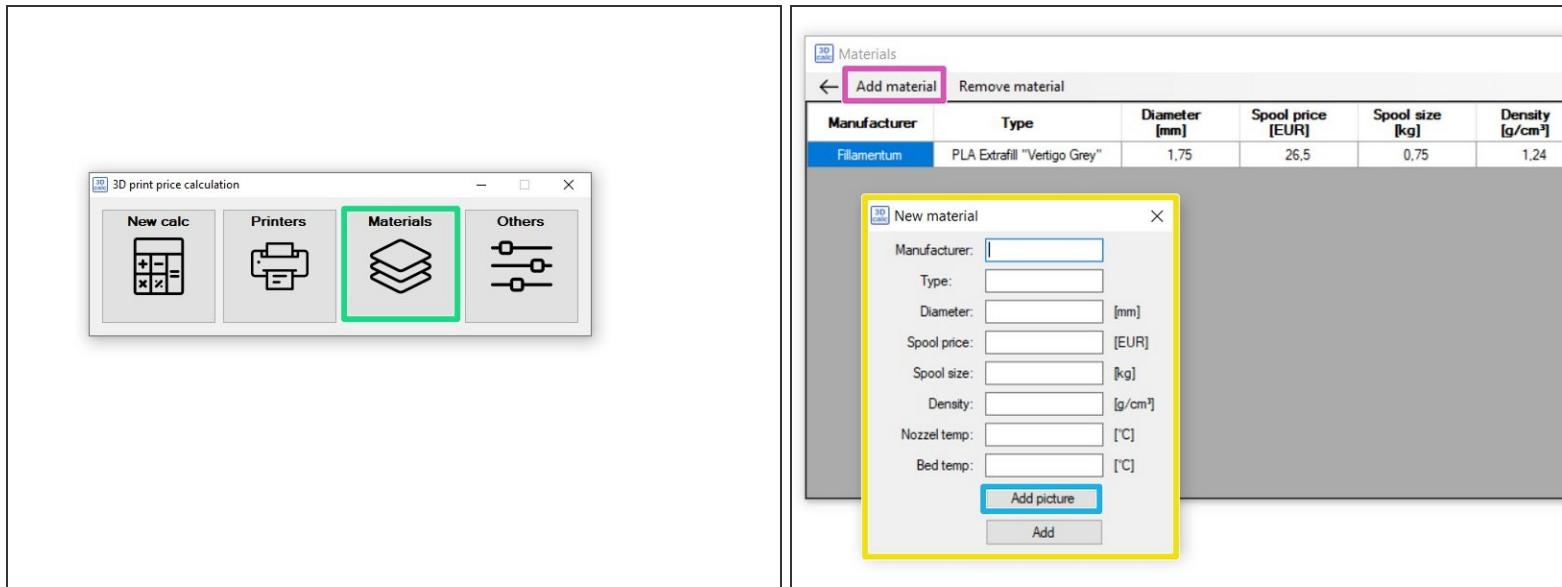
ⓘ License migration between computers is viable if needed - don't hesitate contact support

Step 5 — Set application to your needs: Others tab



- Firstly click on *Others* setting
- Fill all the setting:
 - **Energy costs:** *The estimated electric consumption of 3D printer*
 - **Labor costs:** *Stands for all time-consuming activities of the 3D printing process (except printing time itself), such as CAD operations, Slicing, Support removal, etc.. Will be shown in detail later*
 - **Failure rate:** *The estimated average failure rate of 3D printing process*
 - **Money unit:** *Your preferable currency*
- You can change all these settings anytime later

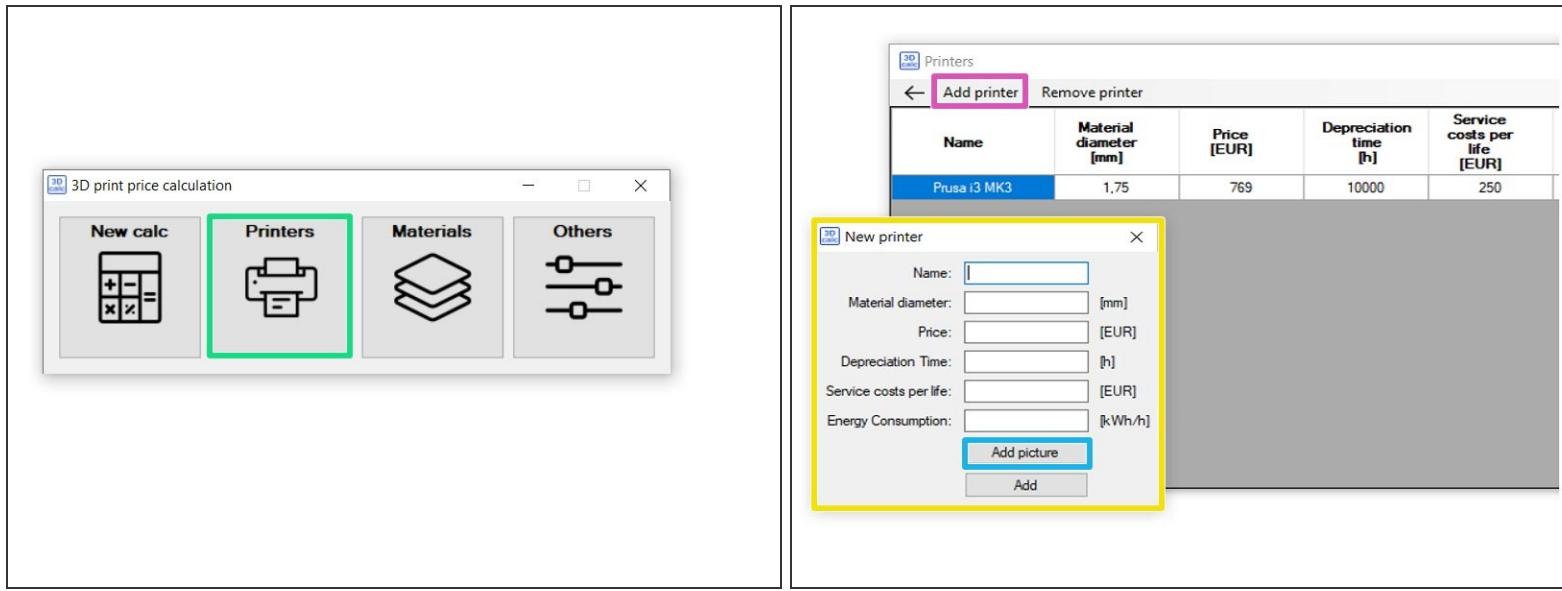
Step 6 — Set application to your needs: Materials tab



(i) **Materials** Tab is a library of your fillaments

- Firstly click on *Materials* setting
- Click for *Add material*
- Fill all the setting:
 - **Manufacturer:** *Name of filament manufacturer / brand name*
 - **Type:** *Type and color of filament*
 - ... rest of settings are self-explanatory
- You can also add a picture of a filament/spool (It can be used in an invoice later). Recommended resolution is 360/360 px

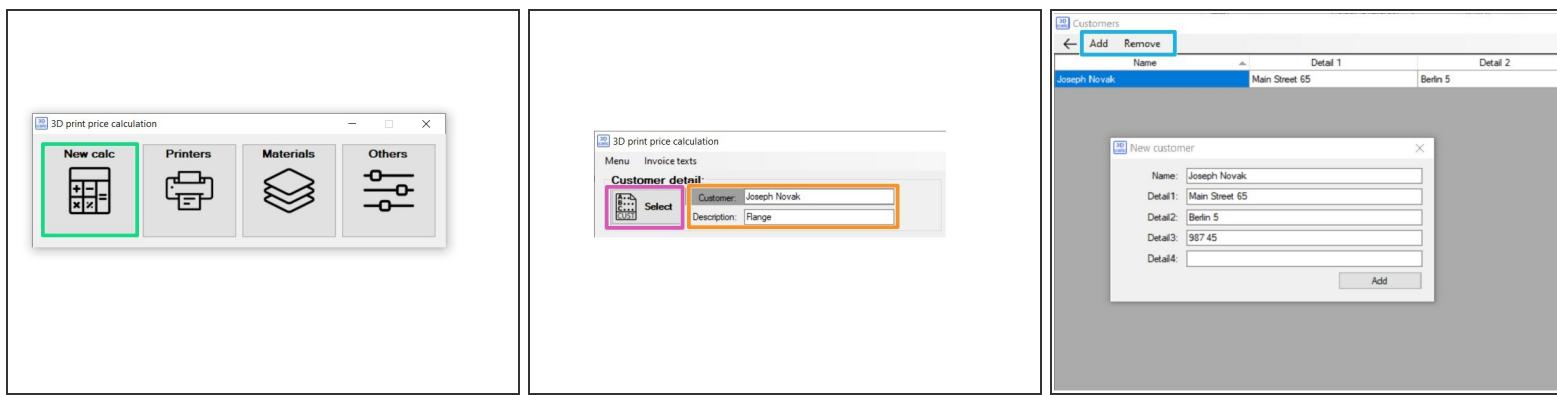
Step 7 — Set application to your needs: Printers tab



(i) Printers Tab is a library of your printers

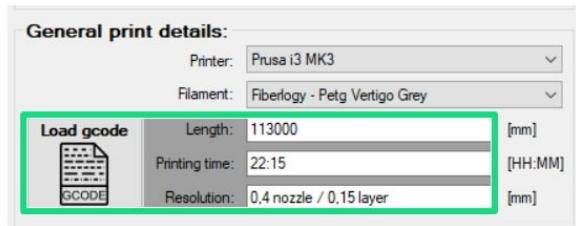
- Click on *Printers* setting
- Click for *Add printer*
- Fill all the setting:
- You can also add a picture of a printer (It can be used in an invoice later). Recommended resolution is 360/360 px

Step 8 — Creating a New Calc: Customer detail and Invoice texts



- Click on *New calc*
- In *Customer details* tab fill Customer initials and Description of printed model
- You can also keep your Customers details in your address book (click on *Load* button)
- In your address book you manage your customers simply via *Add* and *Remove* buttons

Step 9 — Creating a New Calc: General print details



- Select **Printer** from your list as well as **Filament**
- Fill all details: **Length** of used filament, **Printing time** spent and you can also fill your printing **Resolution** (nozzle dia, speed/quality/detail/draft print setting)

i You can also **Load gcode** of your sliced model and mentioned information will be filled automatically

↗ **Load gcode** is a new version and was tested mainly with PrusaSlicer. If a system can't load gcode details from your Slicer let us know and we will do our best to make it compatible

Step 10 — Creating a New Calc: Preparation

Preparation:

Model preparation (Fixing, CAD..):	47	[min]
Slicing (Supports, Parameters..):	5	[min]
Material change:	10	[min]
Transfer and Start:	2	[min]
Total:	64	[min]

- In this section, you can include all your time-consuming activities you make during print preparation. Each row is a self-explanatory

Step 11 — Creating a New Calc: Post processing

Post-processing:

Job removal:	5	[min]
Support removal:	15	[min]
Additional work:	0	[min]
Total:	20	[min]

- In this section, you can include all your time-consuming activities you make during post processing. Each row is a self-explanatory

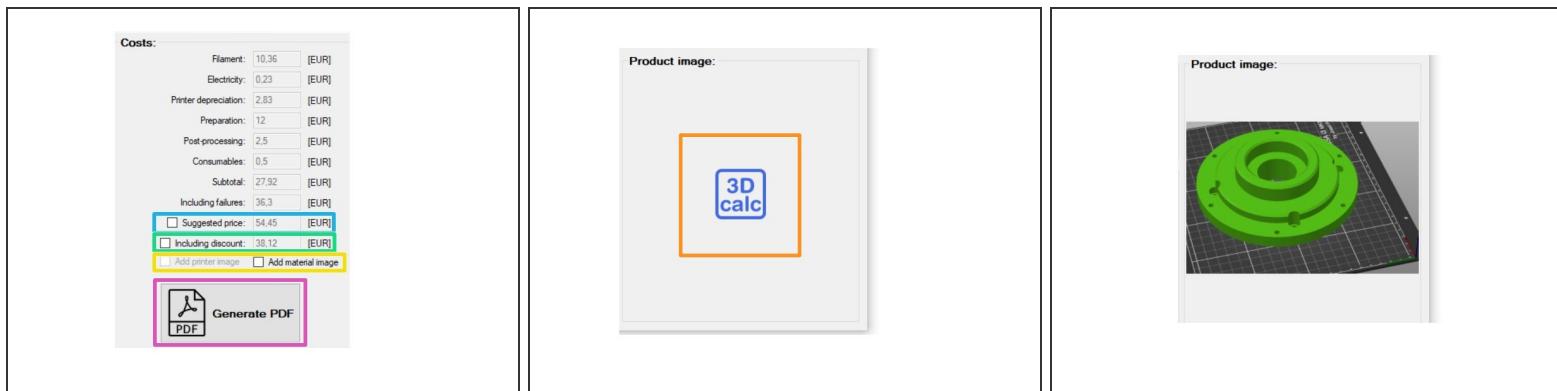
Step 12 — Creating a New Calc: Miscellaneous

Miscellaneous:

Consumables:	0	[EUR]
Quantity:	1	[x]
Markup:	200	[%]
Discount:	50	[%]
Offer number:	11	
Packaging:	2	[EUR]
Shipping:	02	[EUR]

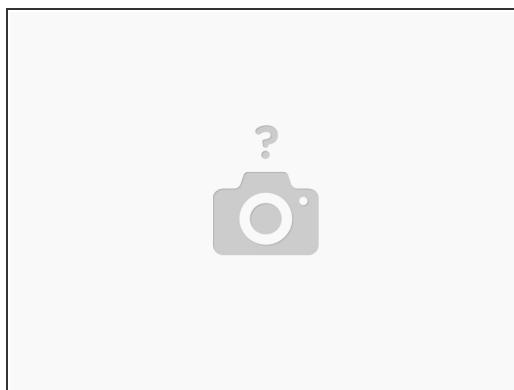
- **Consumables:** Price of consumables used during the printing process (glues, cleaners, sanding stuff...)
- **Quantity:** If you are printing more than 1 piece, costs evaluated in **Preparation** section will be divided by the number of printed pieces.. (e.g. time needed to prepare the model for printing is spread equally to all printed copies)
- **Markup:** Multiplies the calculated costs. (e.g. If calculated costs are 37 EUR and Markup is set to 200% total price will be 74 EUR) Default 100%
- **Discount:** Discount for your customer. (0% stands for no discount, 100% for maximum discount e.g. total price is 0) Default 0%
- **Offer number:** You can use this information in an invoice. You can write your own, use default (automatically numbered) or do not use it at all
- **Packaging and Shipping:** You can include costs for packaging and shipping

Step 13 — Costs overview and an invoice generation



- You can check calculated costs for each category
- By checking the box you can retype calculated value
- By checking the box you can retype calculated value
- You can add material or printer image in your invoice (as mentioned in previous steps)
- We recommend to also add a **Product image**, click on the logo and select your picture
- This is it! Click the button and you are done :)

Step 14 — Support & Bug fixes



! This software is still a beta, so if you figure something out, just let us know.

To reassemble your device, follow these instructions in reverse order.