ALOHA INDUSTRIES
Impossible innovations

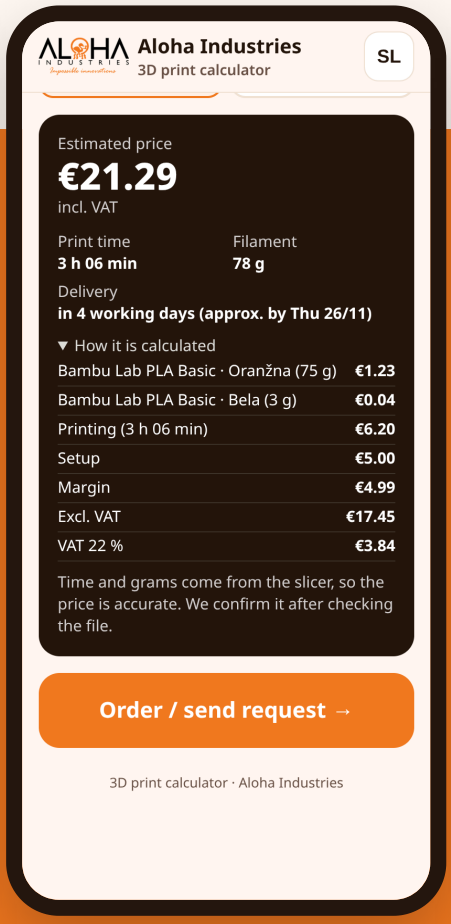
3D print price calculator

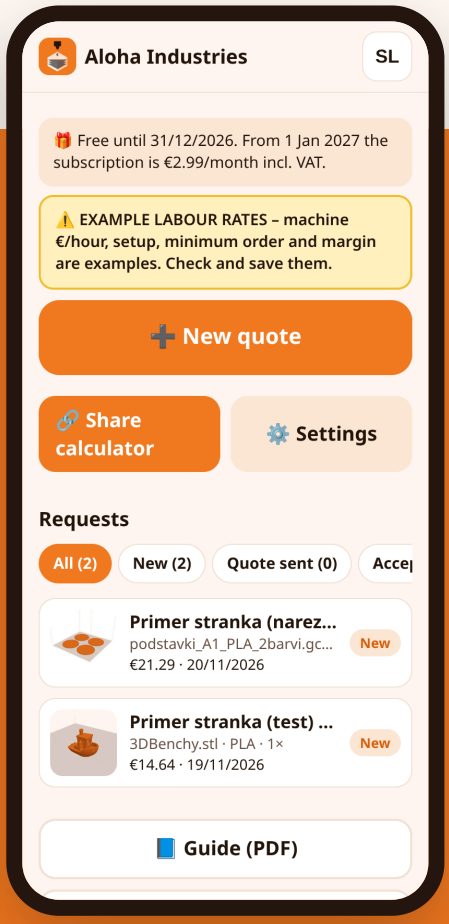
User guide · for print shops and makers · v3

Enter your filaments and printers, then quote from a **sliced file** (Bambu Studio, Orca, Prusa) or from **time and grams**. Customers on your site upload a model or a sliced file and instantly see the price incl. VAT, print time and delivery date.

🎁 **Free until 31 Dec 2026** · 📱 **Phone and desktop** · 🧵 **Official Bambu Lab prices** · 🇸🇮 **SL / 🇬🇧 EN**

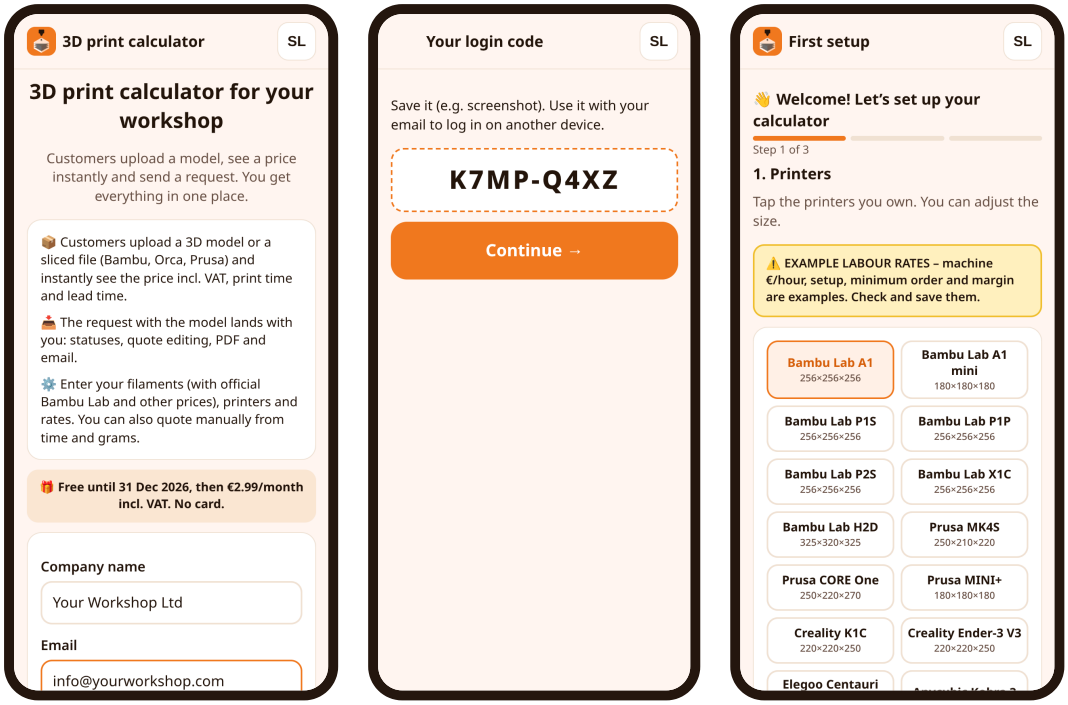






aloha-3d-kalkulator.pages.dev · office@aloha-industries.net

1 Getting started and printers



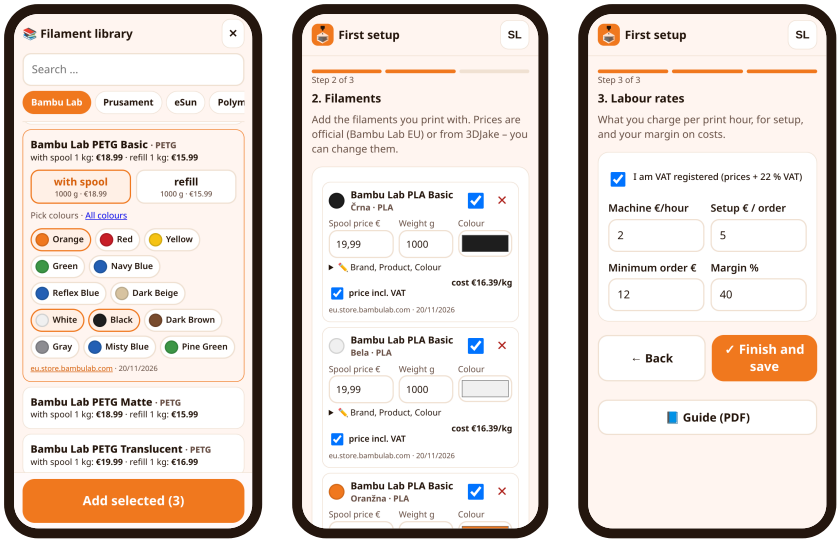
Sign up | Login code | Step 1: printers

1. Open **aloha-3d-kalkulator.pages.dev** on your phone or computer, enter your **company name** and **email** and tap **Start for free**. No card. **Free until 31 Dec 2026**, from 1 Jan 2027 the subscription is **€2.99/month incl. VAT** per shop.
2. You get a **login code** (e.g. K7MP-Q4XZ). **Keep it**. There is no password: log in on any device with your email and code (**I have an account**).
3. Tap **Next**. The **first setup** has three steps: **1. Printers → 2. Filaments → 3. Labour rates**.
4. **Step 1 – Printers:** tap the printers you own (Bambu Lab A1, A1 mini, P1S, P2S, X1C, H2D, Prusa MK4S, CORE One, Creality, Elegoo, Anycubic …). The build volume fills in; you can adjust it or add an **Other printer**. A model that fits none is shown to customers as "price on request".

📲 **Install as an app:** in your phone browser choose "Add to Home Screen".

🔑 Lost your code? In **Settings** tap **New login code** (the old one stops working). If you are logged out everywhere, write to office@aloha-industries.net.

2 Filaments and prices



Filament library — My filaments — Step 3: labour rates

Step 2 – Filaments: tap 📚 **Add from library**. Pick a brand (Bambu Lab, Prusament, eSun, Polymaker, Elegoo, Sunlu), a product, **with spool** or **refill**, tap the colours and then **Add selected**. Each filament has a spool price, weight and a **price incl. VAT** tick. Change prices if you buy cheaper, switch a filament off, or add your own with **Add manually**. Cost per kg is calculated for you; for VAT-registered shops the 22 % VAT is deducted.

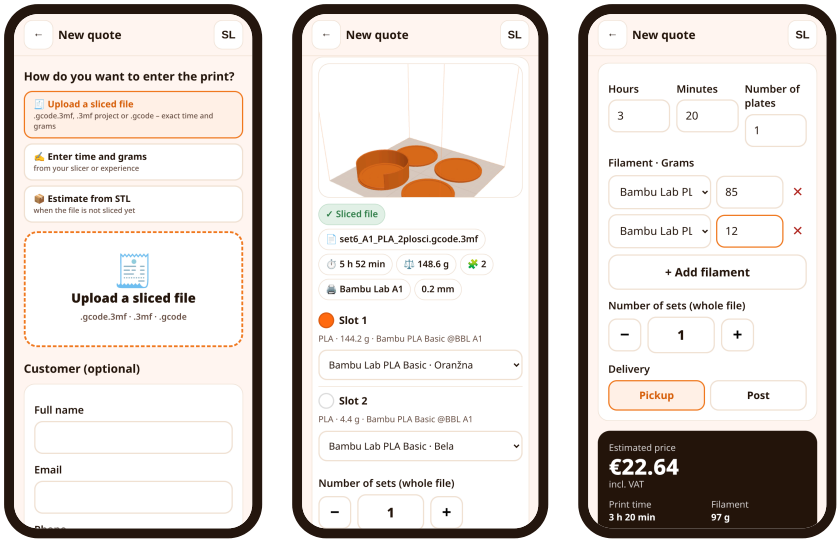
Step 3 – Labour rates (excl. VAT): **Machine €/hour** (power, wear, depreciation), **Setup €/order**, **Minimum order €**, **Margin %** and **I am VAT registered** (on: + 22 % VAT; off: note under Art. 94 ZDDV-1). Tap **Finish and save**. You can change all of it later in **Settings** (also company details, lead times, pickup/post and **Run the setup again**).

Library prices (regular, incl. VAT, 1 kg)

Filament	spool €	refill €
Bambu Lab PLA Basic / Matte / Silk+	19.99	16.99
Bambu Lab PLA Tough+	26.99	23.99
Bambu Lab PETG Basic / Matte	18.99	15.99
Bambu Lab ABS	19.99	16.99
Bambu Lab ASA	24.99	–
Bambu Lab TPU 95A HF	34.99	–
Prusament PLA / PETG	33.99	–
eSun PLA+	19.39	–
Polymaker PolyTerra PLA	15.29	–
Elegoo PLA / PETG	13.29 / 14.29	–
Sunlu PLA / PETG	16.29 / 14.29	–

Source: eu.store.bambulab.com (official Bambu Lab EU store) and www.3djake.si (3DJake Slovenia), prices as of **20 Nov 2026**, regular retail prices incl. VAT per 1 kg (Prusament ASA 0.8 kg). Each library product shows its source and date. During the Black Friday sale Bambu Lab sells some filaments cheaper (e.g. ASA €14.99, TPU 95A HF €20.99): the library uses the **regular** price and shows the sale price as “now on sale”.

3 New quote: sliced or manual



Choose a mode | Sliced file | Manual entry

On the home screen tap **+ New quote** and choose how to enter the print:

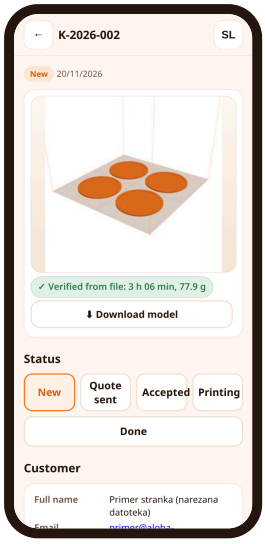
- **Upload a sliced file** – `.gcode.3mf`, a `.3mf` project with sliced plates, or `.gcode`. The calculator reads the **exact time, grams per colour, printer, layer and number of plates** plus the thumbnail. Each colour (slot) is matched to your nearest filament; you can change it.
- **Enter time and grams** – hours, minutes, number of plates and one or more *filament* · *grams* rows (e.g. 85 g PLA + 12 g PETG).
- **Estimate from STL** – when the file is not sliced yet (volume-based estimate, see chapter 6).

Set the **number of sets** (copies of the whole file), pickup or post and optionally the customer. The price updates live. **Create quote** saves it to your requests (status Quote sent), where you make the PDF.

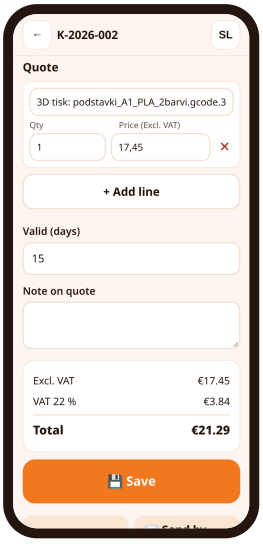
How to get a sliced file

Slicer	How to export
Bambu Studio, OrcaSlicer	Click **Slice**, then **File → Export → Export plate sliced file** (or *all sliced file* for all plates). You get a `.gcode.3mf` with a thumbnail.
PrusaSlicer	**Export G-code**. Binary `.bgcode` is not supported: turn off “Supports binary G-code” in the printer settings.
Cura, Simplify3D	Save `.gcode`. Cura only writes filament length, so grams are converted (approximate).

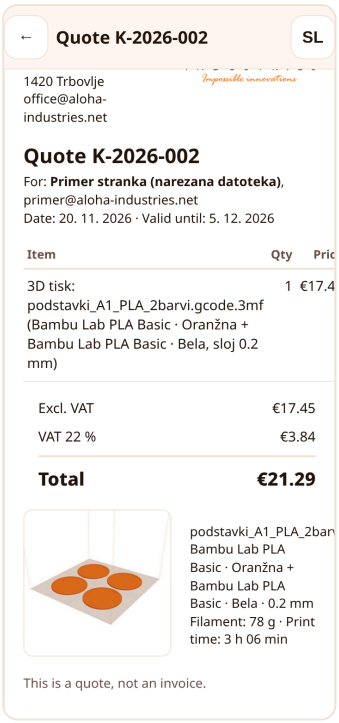
4 Requests and quotes



Verified from file



Editing the quote



Quote PDF

Every customer request and every quote you create appears on the home screen with a thumbnail, customer name and price. Tap it:

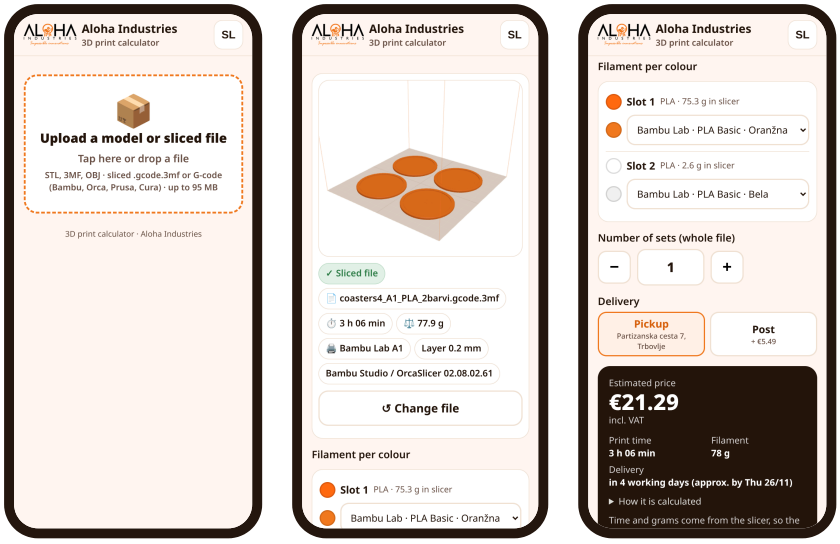
- For a sliced file the app re-reads the stored file. **Verified from file: 3 h 06 min, 77.9 g** means time and grams match what the customer sent; if not, you see a warning. **Download model** gets the file for printing.
- You see the customer, their choices (filament per colour, sets, delivery) and the **automatic calculation** with a breakdown.

Status	When
New	Just arrived from a customer.
Quote sent	You sent a quote (or created it with New quote).
Accepted	The customer confirmed.
Printing	You are printing.
Done	Picked up or shipped. Old ones can be **archived**.

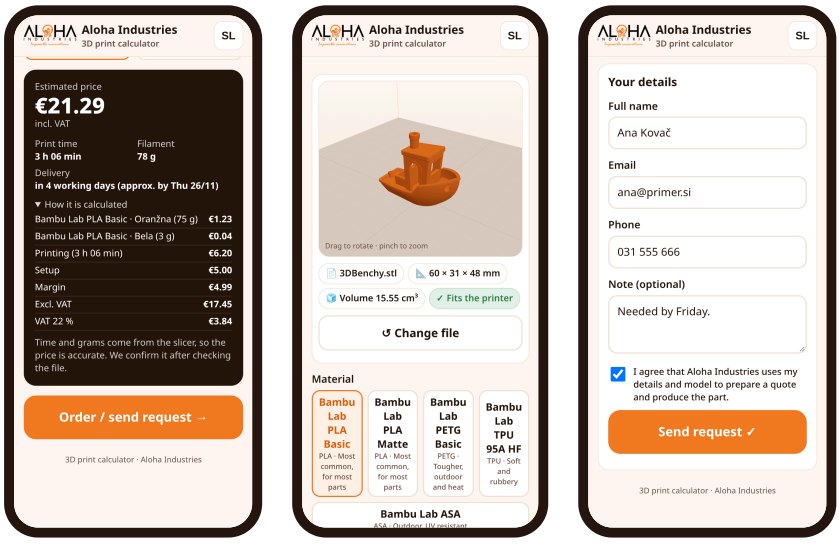
A quote in 3 steps

1. Under **Quote** edit lines, quantity and unit price (excl. VAT) or add a line (e.g. painting). **Recalculate with current prices** applies your latest prices.
2. **Quote PDF** opens a document with your logo: **Print / save PDF** → “Save as PDF”.
3. **Send by email** opens your mail app with a prepared text. Attach the PDF and set the status to **Quote sent**.

5 What the customer sees



Upload | Sliced file | Filament per colour



Price and date | STL model | Details

1. They upload a **sliced file** (`.gcode.3mf` , `.3mf` , `.gcode`) or a **model** (STL, 3MF, OBJ), up to **95 MB**.
2. **Sliced file:** they see the thumbnail, time, grams, printer and layer from the slicer, choose **your filament** for each colour and the number of sets. No quality or infill, as these are in the file.
3. **Model:** they choose material (your filaments by product), colour, quality (0.28 / 0.20 / 0.12 mm), infill and quantity. The price is an estimate.
4. They instantly see the **price incl. VAT** (it is locked: if they change material or quantity it is recalculated; the server confirms it on send), time, grams and the date, then send a request.
5. For large or special jobs, or if the model does not fit, they choose **Request a custom quote** (file + description, no automatic price). The file arrives in your dashboard.

> No payments in the calculator (yet): the customer pays after your confirmed quote. A sliced-file price is accurate, but you always confirm it (the customer may have sliced with other settings).

6 Share the calculator with customers

On the home screen tap **Share calculator**:

A) Link

E.g. `https://aloha-3d-kalkulator.pages.dev/s/aloha-industries`. Tap **Copy** and send it by email, WhatsApp, Instagram or your Google Business profile.

B) Embed on your website

Copy the code under **For your website** and paste it into an HTML block (WordPress “Custom HTML”, Shopify “Custom liquid”, Wix “Embed code”). The calculator adjusts its height. In Shopify themes paste it into a **Custom Liquid** section, as the page editor may strip <script>.

```
<iframe src="https://aloha-3d-kalkulator.pages.dev/embed/your-shop" tit
le="3D print calculator" style="display:block;width:100%;max-width:640p
x;margin:0 auto;height:1100px;border:0" loading="lazy"></iframe>
<script>…auto height…</script>
```

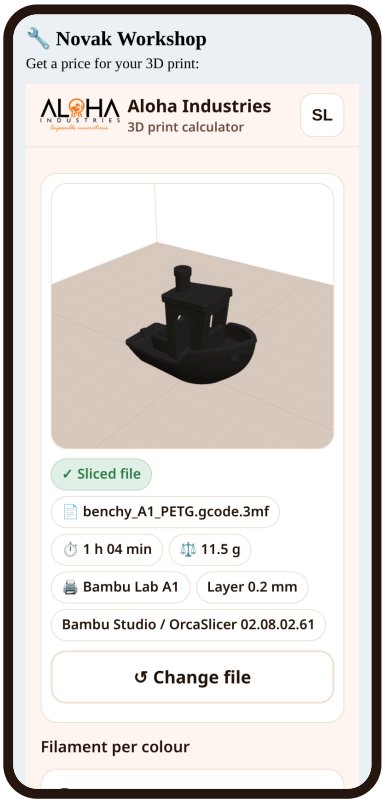
👀 At the bottom of **Share calculator** there is a **preview**. Before sharing, send yourself one request and then **archive** it.



Link and code

Where else to put the link

- Instagram/Facebook bio and posts (“Send your sliced file, see the price instantly”).
- Google Business profile, email signature.
- QR code on business cards, packaging or a fair stand.



On your website

7 How the price is calculated

Filament cost €/kg = spool price ÷ weight × 1000 (if the price is incl. VAT and you are VAT registered, ÷ 1.22)
Sliced / manual: material = Σ grams per colour × sets × €/kg · time = slicer time × sets
Model (estimate): grams from volume, surface, walls and infill · time from flow (shell 6 mm³/s, infill 16 mm³/s at 0.20 mm, ÷ speed factor) + 2 s/layer + 5 min/plate
Price = (material + hours × machine €/h + setup) × (1 + margin %), at least the minimum order, + shipping, + 22 % VAT (if VAT registered)
Delivery = base days + print hours ÷ hours per day (+2 days for post), in working days

Example (Aloha demo): 4 coasters in 2 colours, Bambu A1, 3 h 06 min, 77.9 g PLA Basic (€19.99/kg incl. VAT) → €21.29 incl. VAT. Calibrate the STL estimate with the **speed factor**: new factor = current × (calculator time ÷ slicer time).

8 Limitations (trial version)

- **Filament prices** are retail incl. VAT as of 20 Nov 2026 and do not update by themselves. Enter your own purchase prices. Library colours are approximate.
- **.bgcode** (binary G-code) is not supported. Files exported from the Bambu Studio command line have no thumbnail (files from the app do).
- The STL estimate ignores **supports**; in a sliced file they are already in time and grams.
- Sliced-file data is sent by the customer's browser; the app verifies it from the stored file when you open the request.
- **Customer files** are in private storage; you download them from the dashboard. Files on requests older than **90 days** are deleted automatically (the request record stays).
- **No email notifications.** Subscription payment is not in the app yet: from 1 Jan 2027 you see a €2.99/month subscription notice, and the customer calculator keeps working until payment is set up.

Questions, bugs, ideas? Send us anything you notice, screenshots welcome.
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