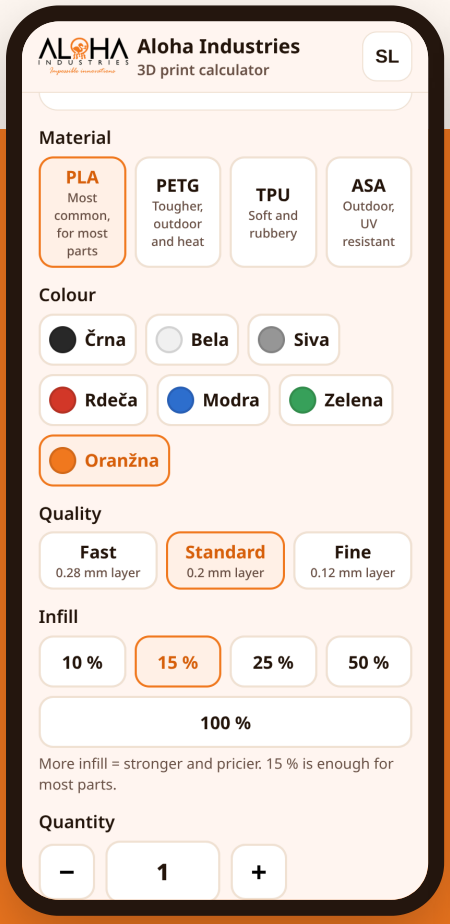
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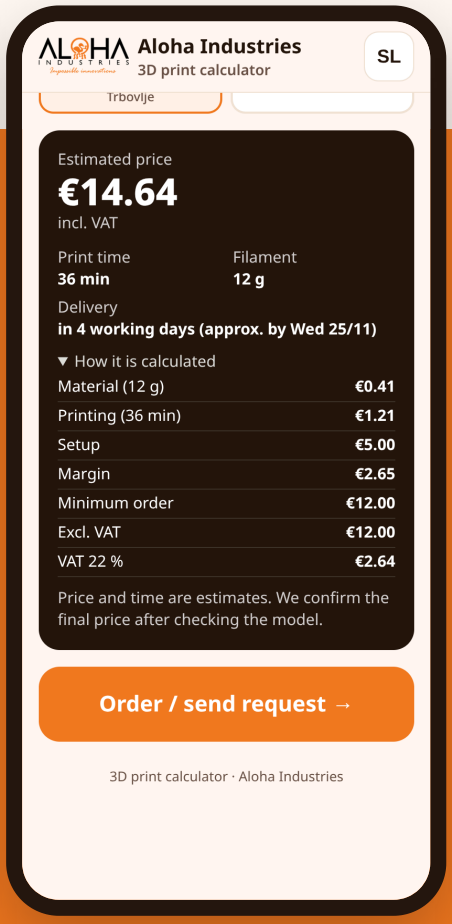
3D Print Calculator

User guide · for print shops and makers

Customers upload a 3D model on your page and within seconds see the price incl. VAT, print time and delivery date. The request with the file lands with you, where you turn it into a quote.

🎁 2 months free | 📱 Phone and desktop | 🇸🇮 SL / 🇬🇧 EN

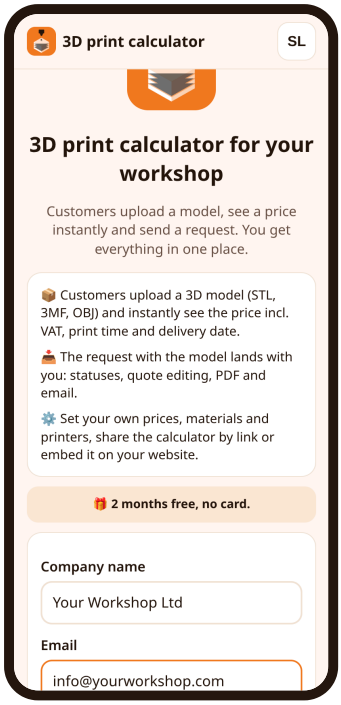






aloha-3d-kalkulator.pages.dev · office@aloha-industries.net

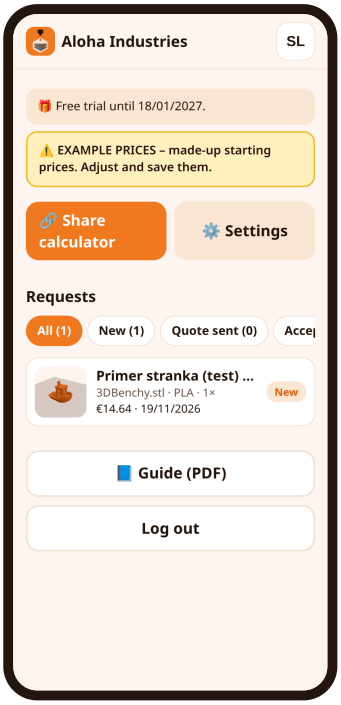
1 Get started in 2 minutes



Sign-up



Your login code



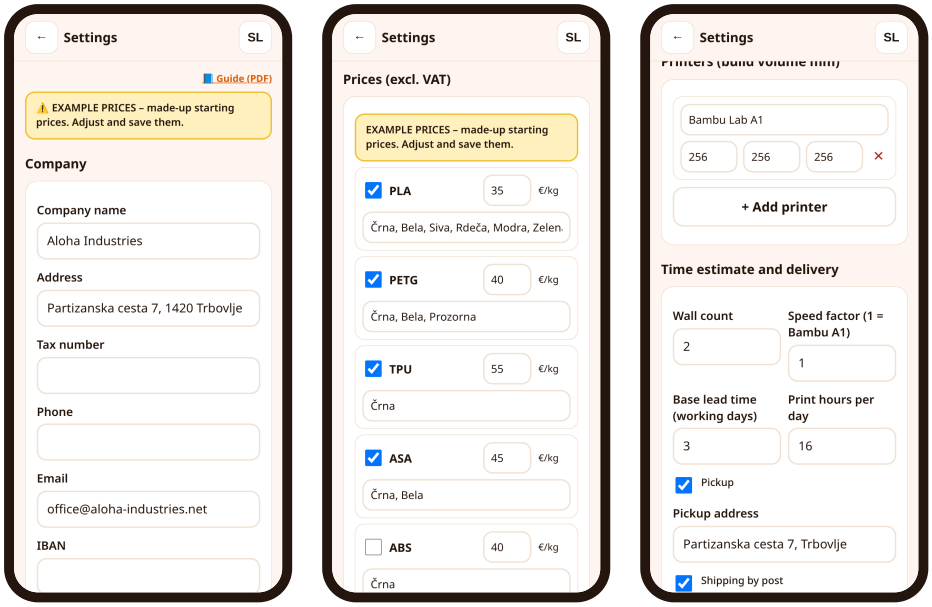
Request list

1. Open **aloha-3d-kalkulator.pages.dev** on your phone or computer (tap **EN** for English).
2. Enter your **company name** and **email** and tap **Start for free**. No card, the first **60 days are free**.
3. You get a **login code** (e.g. K7MP-Q4XZ). **Save it**, e.g. take a screenshot. There is no password: your email + code log you in on any device (**I have an account**).
4. Tap **Continue** and fill in your company details (see section 2).

📲 **Install as an app:** in your phone browser choose “Add to Home Screen”. It then opens like a real app.

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

2 Set your prices, materials and printers



Company details | Material prices | Printers and lead times

Settings start with **example prices** (yellow **EXAMPLE PRICES** label). Review and adjust them, then tap **Save** and the label disappears. All prices are entered **excluding VAT**.

Field	Meaning
Company, address, tax no., IBAN, logo	Shown in the calculator header and on the quote PDF.
VAT registered	On: customers see price + 22 % VAT. Off: no VAT, the quote carries the Art. 94 ZDDV-1 note.
Materials: ✓, €/kg, colours	The tick shows the material to customers. Colours comma separated, e.g. *Black, White, Orange*.
Machine €/hour	Price of one print hour (power, wear, depreciation).
Setup € / order	One-off cost: checking the model, slicing, removing from the plate.
Minimum order €	Lowest print price (before shipping).
Margin %	Your margin on material + machine + setup.
Printers (X × Y × Z mm)	A model that fits none of them is marked too big (“price on request”).
Wall count, speed factor	Affect the material and time estimate (section 6).
Base lead time, print hours/day	Lead time = base + print time ÷ hours per day (+2 days for post), in working days.
Pickup, post, postage	What customers can choose and what shipping costs.

3 Share the calculator with customers

On the home screen tap **Share calculator**. You have two options:

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 on your site (WordPress: “Custom HTML” block, Shopify: “Custom liquid” or an HTML page, Wix: “Embed code”). The calculator appears as part of your page and adjusts its own height.

```
<iframe src="https://aloha-3d-kalkulator.pages.dev/embed/your-shop" tit
le="3D print calculator" style="width:100%;max-width:600px;height:1100p
x;border:0" loading="lazy"></iframe>
<script>…automatic height…</script>
```

👀 At the bottom of **Share calculator** there is a **preview**: exactly what your customer sees.



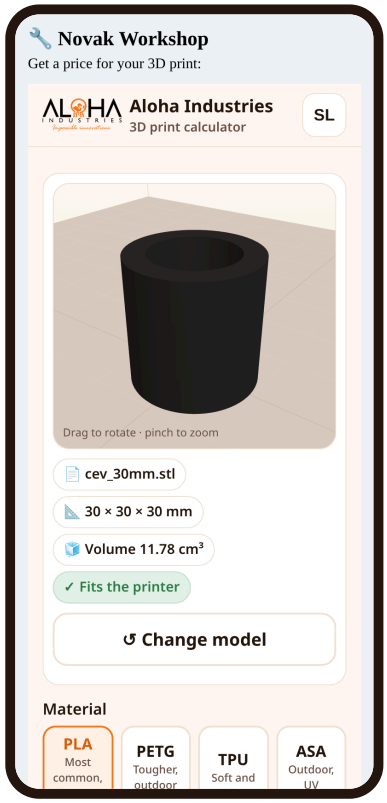
Link and embed code

More places for your link

- Instagram/Facebook bio and product posts (“Get a price for your model”).
- Your Google Business profile (website button or a post).
- Your email signature and auto-reply.
- A QR code on business cards, packaging or your fair stand (your phone camera or any free QR generator can make one from the link).

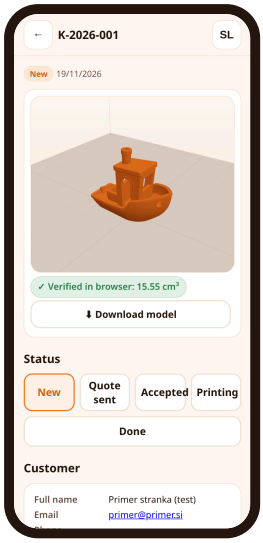
Test it yourself

Before sharing, send one request to yourself. It appears in your requests, so you check your prices end to end. Then **archive** the test request.

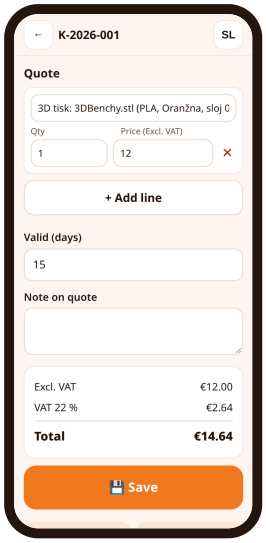


Calculator on another site

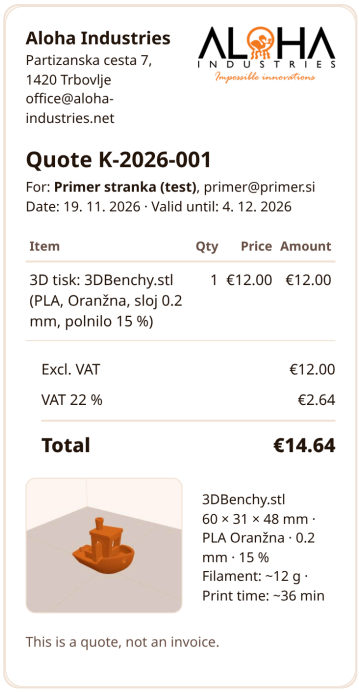
4 Requests and quotes



Request



Editing the quote



Quote PDF

Every request appears on the home screen with a model thumbnail, customer name and estimated price. Tap it to see:

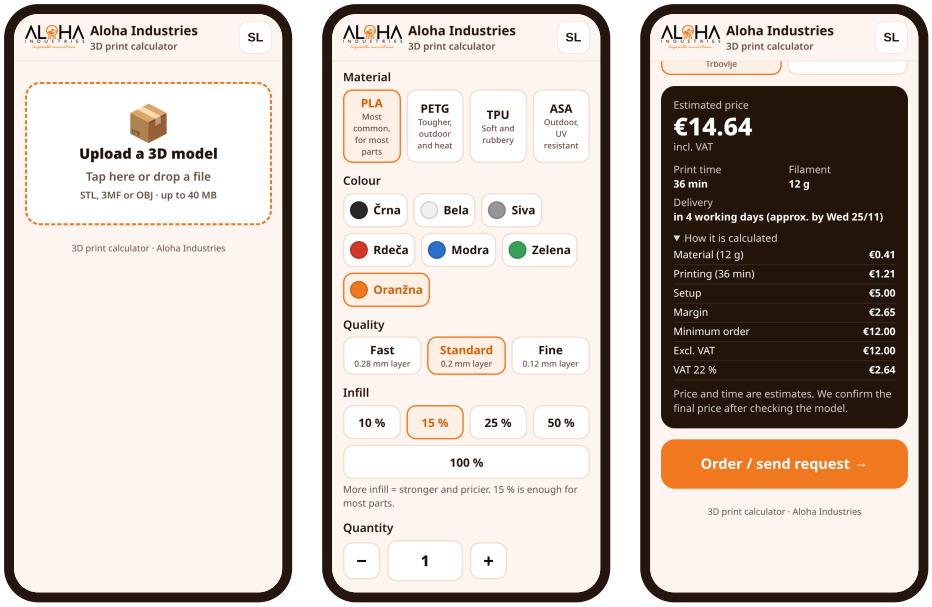
- The **3D model** from storage, which you can rotate. **Verified in browser** means the file volume matches what was submitted. **Download model** gets the file for your slicer.
- The **customer** (tap phone or email), their choices (material, colour, quality, infill, quantity, delivery) and the **automatic estimate**.

Status	When
New	Just arrived.
Quote sent	You sent the customer a quote.
Accepted	The customer confirmed.
Printing	On the printer.
Done	Picked up or shipped. You can **archive** old ones.

A quote in 3 steps

1. Under **Quote** edit lines, quantity and unit price (excl. VAT) or add a line (e.g. sanding, painting). **Recalculate with current prices** uses your latest settings.
2. **Quote PDF** opens a clean document with your logo. Tap **Print / save PDF** and choose “Save as PDF”.
3. **Send by email** opens your mail app with a ready message for the customer. Attach the PDF, then set the status to **Quote sent**.

5 What the customer sees



1. Upload
2. Options
3. Price and date
4. Details
5. Sent
Too big

1. Uploads an **STL, 3MF or OBJ** (up to 40 MB). The model is drawn on the print bed right away with its size, volume and whether it fits the printer.
2. Picks **material, colour, quality** (Fast 0.28 · Standard 0.20 · Fine 0.12 mm), **infill** and **quantity**.
3. Instantly sees the **estimated price incl. VAT**, print time, filament grams and **delivery date**, with a breakdown under “How it is calculated”.
4. Taps **Order / send request**, enters name, email, phone and a note, confirms consent and sends. They get a request number.

> There are no payments in the calculator (yet). Customers pay only after your confirmed quote. A model that is too big shows “price on request” and can still be sent.

6 How the estimate works and how to calibrate it

The calculator does not slice the model like a slicer. It estimates from the model's **volume**, **surface area** and **height**:

Material: shell = surface × (walls × 0.42 mm) · inside = (volume − shell) × infill · grams = (shell + inside) × density × 1.05
Time: shell ÷ 6 mm³/s + inside ÷ 16 mm³/s (at 0.20 mm and PLA, divided by the speed factor) + 2 s per layer + 5 min per plate
Price: (material + time × €/h + setup) × (1 + margin), at least the "minimum order", + postage, + 22 % VAT

Speed adapts to material (PETG, ASA ×0.8, TPU ×0.35) and layer height. Example at 0.20 mm and 15 % infill: 20 mm cube ≈ 15 min / 4 g, 3DBenchy ≈ 36 min / 12 g.

Calibrate the speed factor to your printer

1. Take 2–3 typical models you have printed and note the slicer time (Bambu Studio, Orca, PrusaSlicer).
2. Upload the same models into your calculator with the same settings and note the estimated time.
3. **New factor = current factor × (calculator time ÷ slicer time).** If the calculator shows 36 min and the slicer 45 min, the factor is 1 × 36/45 ≈ **0.8**. Enter it in Settings and save.
4. If the material is often too high or too low, adjust the **wall count** or your €/kg price.

7 Limits (trial version)

- **Everything is an estimate:** time and material are approximate. You always confirm the final price in your quote.
- **Supports are not included.** For models with large overhangs add a line or raise the price in the quote.
- **No email notifications yet:** check new requests in the app, and customers get no automatic confirmation.
- One model per request, up to 40 MB. STL and OBJ must be in millimetres. For 3MF, colours and multiple materials are ignored.
- No payments and no subscription yet: after 60 days the customer calculator switches off until we agree on next steps.
- For open models (holes in the mesh) the calculator warns that the estimate is approximate.

Questions, bugs, ideas? During the trial, please send us anything you notice, screenshots welcome.
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