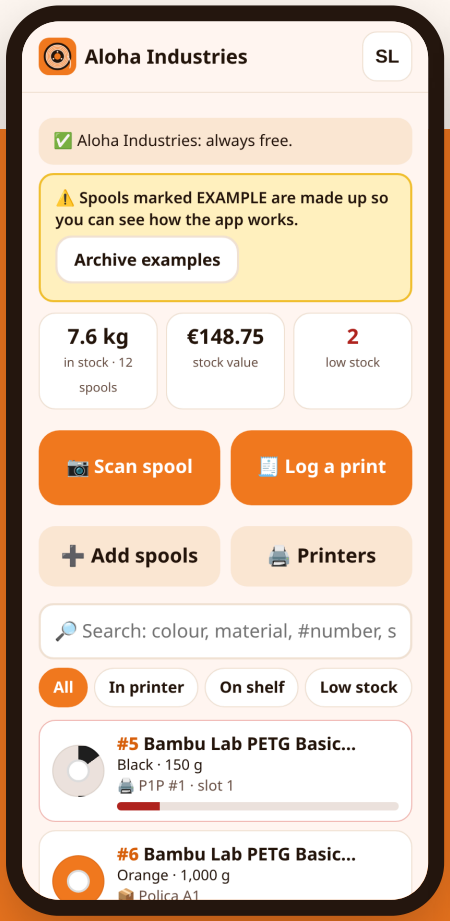
ALOHA INDUSTRIES
Impossible innovations

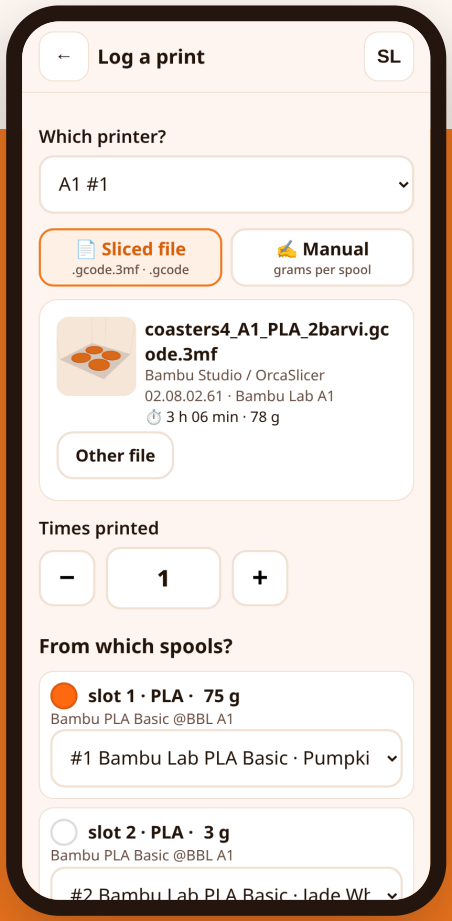
Filament tracker

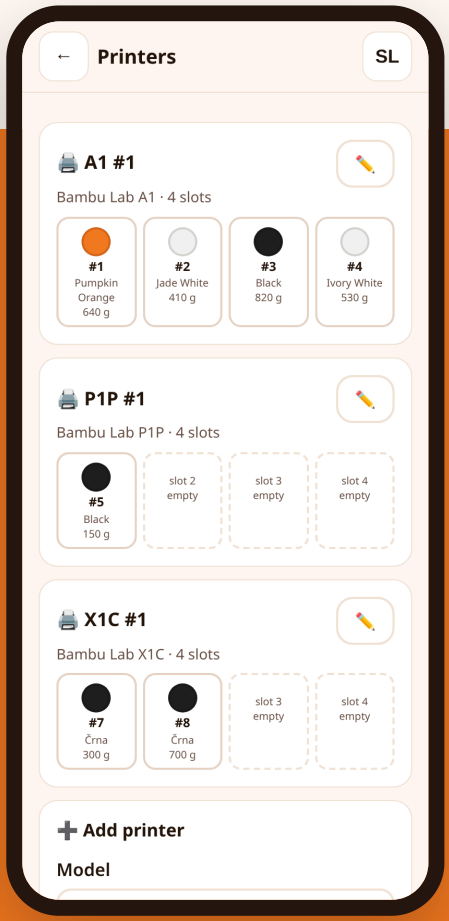
User guide · for 3D print farms and workshops · v1

Every spool gets a **QR label**. After a print you scan the spool or upload the **sliced file** (Bambu Studio, Orca, Prusa) and the grams are deducted per colour. The app shows **stock in kg and €**, warns about **low stock**, builds a **shopping list** and calculates **material cost per print**.

🎁 **Free until 31 Dec 2026** · 📱 **Phone and computer** · 🏷️ **QR labels** · 🧵 **Bambu Lab prices** · 🇸🇮 **SL / 🇬🇧 EN**

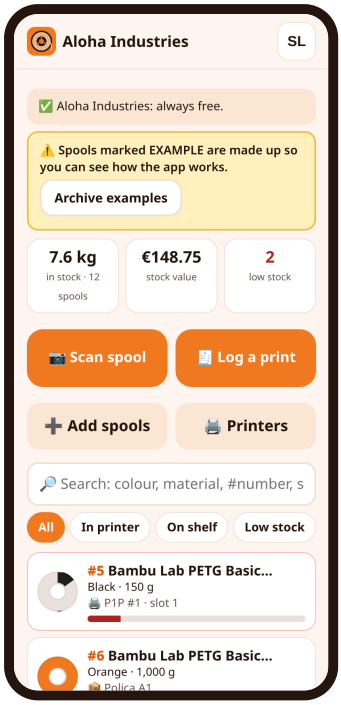




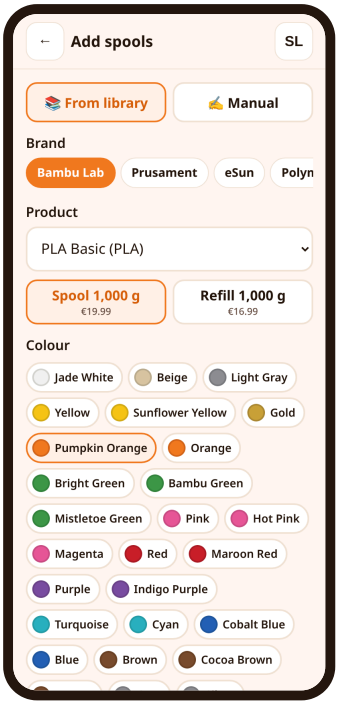


aloha-filament-tracker.pages.dev · office@aloha-industries.net

1 Getting started: printers and spools



Home screen



Add from library



Printers and slots

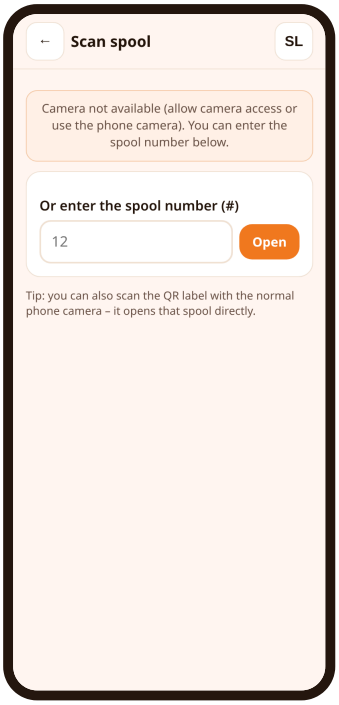
1. Open **aloha-filament-tracker.pages.dev**, enter your **farm name** and **email**, tap **Start for free**. You get a permanent **login code** – save it (no password; we do not email the code).
2. **Printers:** pick the model (A1, P1S, X1C, H2D ...), a name (e.g. "A1 #1") and the number of slots (AMS = 4, 2× AMS = 8, no AMS = 1).
3. **Add spools → From library:** brand (Bambu Lab, Prusament, eSun, Polymaker, Elegoo, Sunlu), product, spool or refill, and colour. **Price, weight and empty-spool weight** fill in automatically (official Bambu Lab EU store and 3DJake, 20 Nov 2026) – change them to your purchase price. **How many identical spools** adds e.g. 6 identical shelf spools at once.
4. Other brands go in **Manual** (e.g. 3Dshark). Opened spool: enter the **remaining** grams or weigh it later.

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

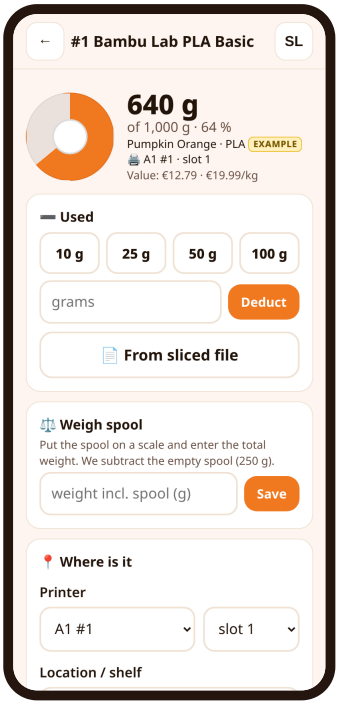
2 QR labels and scanning



Label sheet



Scanning



Spool

- After adding, tap **Print QR labels** (or **QR labels** on the home screen). The A4 sheet holds **24 labels 70 × 37 mm** (3 × 8, borderless, e.g. Avery 3474). Print at **100 %**. Plain paper and tape work too. **Skip labels** for a partly used sheet.
- Each label shows the **spool number** (#12), brand, colour, material and the QR code.
- **Scanning:** scan the label with the **normal phone camera** – it opens that spool directly. The app also has 📷 **Scan spool** (allow the camera) and spool-number entry.
- On the spool: remaining (g and %), value, where it is (printer/slot or shelf), usage history.

3 Logging usage: file, manual or weighing

📄 From the sliced file (most accurate)

Log a print → pick the printer → upload the **.gcode.3mf** (Bambu Studio / Orca: *Export plate sliced file*) or **.gcode** (Orca, PrusaSlicer, Cura). The app reads **grams per colour** and time. Spools are matched automatically: first the spool in the **same slot of the chosen printer**, otherwise by material and colour – check and adjust. **Times printed** multiplies the grams. The file stays on your phone.

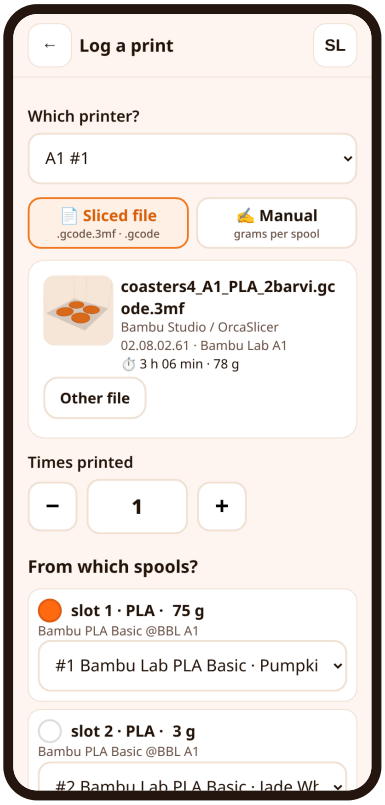
✍️ Manual

On the spool tap 10 / 25 / 50 / 100 g or type grams and **Deduct**. **Log a print → Manual** handles several spools at once.

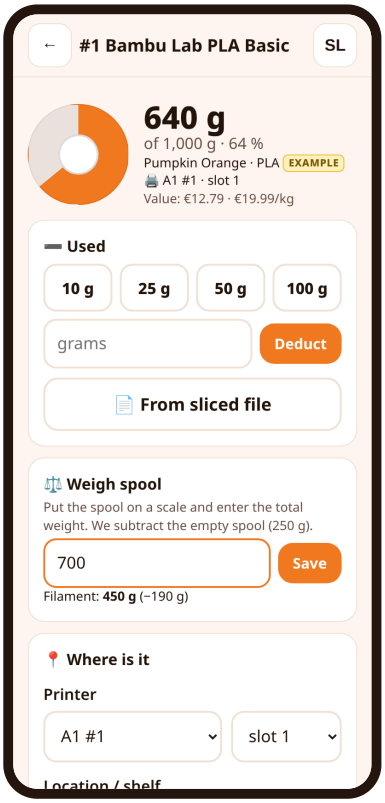
⚖️ Weighing

Put the spool on a scale and enter the **total weight**. We subtract the empty spool (Bambu 250 g, Prusament 193 g, eSun 160 g, Polymaker 140 g, Elegoo 154 g, Sunlu 189 g – source SpoolmanDB, approximate; change in Settings). This also corrects failed prints.

> ↩️ Every entry can be **undone** (spool history). Mark a used-up spool as **Empty spool**; the owner can **archive** it (history stays).

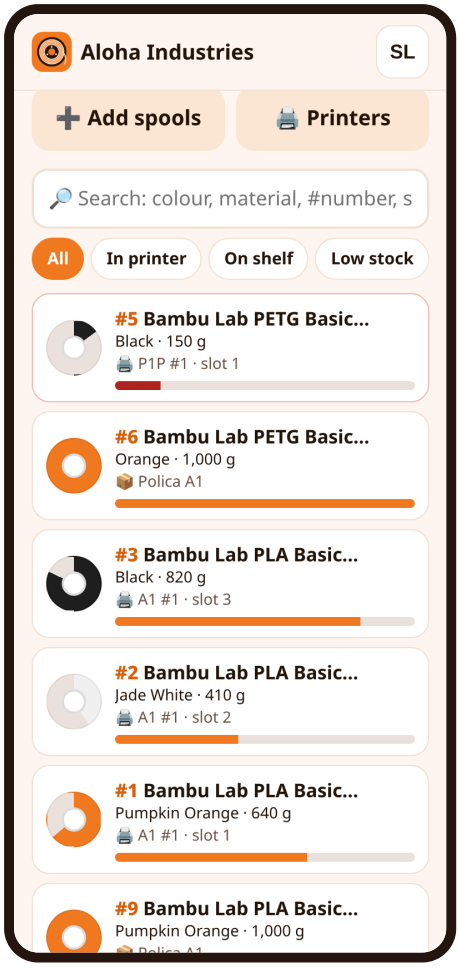


Sliced file



Weighing

4 Printers, low stock and buying



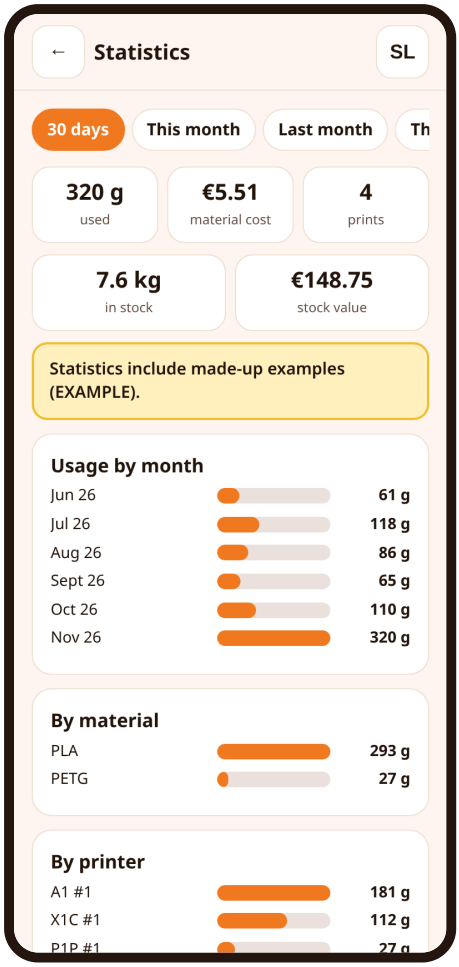
Printers



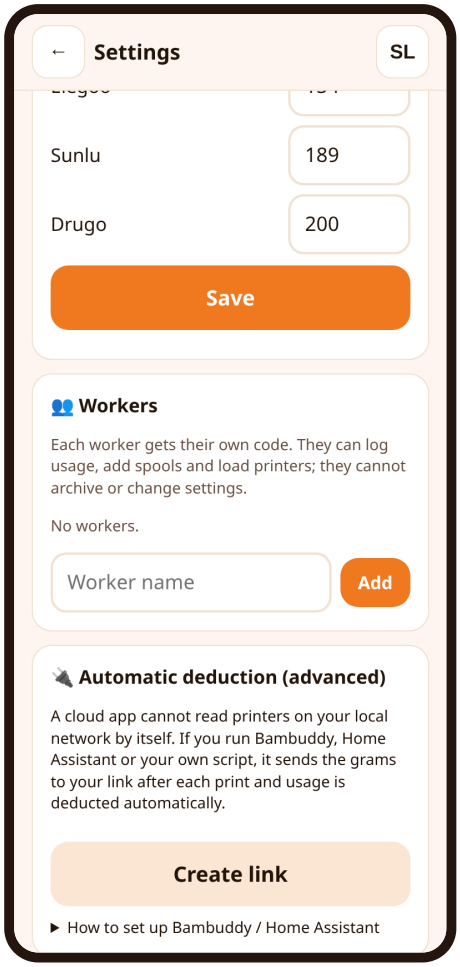
Shopping list

- **Printers:** each slot shows the loaded spool. Tap a slot and pick a spool – the previous one goes back to the shelf automatically.
- **Low stock** is counted **per colour** (all spools of the same brand, product and colour). Default limit **250 g** (Settings); change it for that colour on the spool (0 = no alert).
- **Shopping list:** colours below the limit, how many spools to buy, price and a **Buy ↗** link to the store, total. **Copy list** for an email or order.

5 Statistics, workers and automatic deduction



Statistics



Settings

- **Statistics:** usage and material cost for 30 days, this month, last month or this year; by month, material, printer and filament; **cost per print**; stock value. **CSV** export (stock, usage) for Google Sheets.
- **Workers:** the owner adds a worker in Settings and gives them their own code (log in with the farm email). Workers log usage, add spools and load printers; they cannot archive or change settings. Remove a worker with one tap.
- **Automatic deduction (advanced):** a cloud app cannot read printers on your network by itself. If you run **Bambuddy** or **Home Assistant** (ha-bambulab), create a **link** in Settings and add it as a webhook (Bambuddy: Settings → Notifications → Webhook, events Print Completed / Failed / Stopped). Printer names must match. With one spool in the printer, usage is deducted automatically; with several you confirm with one tap (or a script sends grams per slot).

6 Limitations (trial version)

- **No direct printer connection** (Bambu LAN/MQTT or cloud) – usage comes from the file, manual entry, weighing, or the Bambuddy/Home Assistant link.
- Multi-colour grams from a **Cura .gcode** are approximate (from length and density). **.bgcode** is not supported. A failed print logged from a file deducts the full amount – correct it by weighing.
- Bambu AMS RFID remaining is not read. Library prices are as of 20 Nov 2026 and do not update by themselves.
- **No email notifications** (low stock shows in the app and on the shopping list). Subscription payment is not in the app yet: from 1 Jan 2027 you see a €2.99/month notice, and the app keeps working.

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