

UV PROJECT CALCULATOR PRO

COMMUNITY EDITION

User Guide

Know Your Costs. Price With Confidence. Grow Your UV Printing Business.

Built by a UV printer owner for the UV printing community.

Version 1.0 RC1 | Build 1021

Welcome

UV Project Calculator Pro Community Edition is business software designed specifically for UV printing. It helps you understand true production costs, create confident customer quotes, compare pricing scenarios, manage projects, and protect profit margins.

Local-first and free

Community Edition stores project data in your browser. It does not require an account or subscription. Create regular backups because clearing browser site data can remove locally saved work.

Five-Minute Quick Start

1. Open Application Settings and confirm your business details, labor rate, target margin, and active printer profile.
2. Open Pricing Workspace and enter the project name, customer, quantity, blank cost, total ink used for the complete job, print time, hands-on labor time, and packaging cost.
3. Leave Manual Customer Quote blank to let the application calculate a recommended quote automatically.
4. Review Total Production Cost, Customer Quote, Expected Profit, Profit Margin, and the profitability warning.
5. Select Save Project Quote. Reopen the project later to revise quantity, pricing, status, or printer.

Understanding the Main Areas

Area	Business question it answers
Business Dashboard	How is the current project performing?
Projects	What quotes and jobs have I saved?
Pricing Workspace	What should I charge?
Scenario Builder	What happens if costs, quantity, or margin change?
Business Libraries	What customers, materials, and templates do I use?
Reports	How are my saved projects performing?
Application Settings	How is the software configured?
Help & Feedback	How do I learn, report a bug, or request a feature?

Business Dashboard

The Dashboard is the command center. Its largest number is the recommended selling price for the selected project. Supporting cards show production cost, expected profit, profit margin, business health, current project information, active printer, recent projects, and backup status.

Business Health

- **Healthy:** the project meets or exceeds the target margin.
- **Review Pricing:** the project is profitable but below the target margin.
- **Action Required:** the customer quote is below production cost or far below the target margin.

Active Printer

Always verify the large Active Printer display before quoting. Printer profiles can use different ink, machine, and maintenance costs. The printer shown at the top is the cost profile used by new calculations.

Projects

The Projects page displays saved work as color-coded cards. Production projects use blue accents. Scenario projects use purple accents. Status colors identify each job stage.

Status	Color meaning
Draft	Gold - work in progress
Estimate	Light blue - preliminary estimate
Quoted	Blue - quote prepared or sent
Approved	Bright green - customer approved
In Production	Purple - currently being produced
Completed	Teal - finished
Cancelled	Red - cancelled

Editing and Duplicating

Opening a project takes you to Pricing Workspace. Duplicating creates a separate copy. You can change the printer for an opened or duplicated project by selecting Change beside the Project Printer field. The application loads the selected printer profile and recalculates the quote.

Pricing Workspace

Pricing Workspace calculates the true cost of a complete production job and recommends a selling price based on your target margin.

Project Inputs

- Quantity: number of finished items in the order.
- Blank Cost / Unit: cost of one unprinted item. This scales with quantity.
- Total Ink Used for Job (mL): total ink reported for the entire production run. It is charged once and is not multiplied again by quantity.
- Print Minutes for Job: total machine time for the complete run.
- Hands-On Minutes for Job: total human labor time for setup, loading, cleaning, handling, and finishing.
- Packaging / Unit: packaging cost for one item. This scales with quantity.
- Primer, cleaning, other fixed costs, waste, target margin, and rounding settings provide additional control.

Important

Ink and print time are job-level totals. Blank and packaging costs are per-unit values. Entering totals in the wrong type of field can significantly distort the quote.

Automatic and Manual Pricing

Leave Manual Customer Quote blank for automatic pricing. The recommended quote will respond to quantity, costs, and target margin. Enter a manual quote only when you intentionally want to test or use a specific customer price.

Profit Colors

- Green: profit meets or exceeds the target margin.
- Amber: profitable, but below the target margin.
- Red: the quote is below production cost and the project is losing money.

Saving and Reopening

Saved projects retain the underlying pricing inputs, not only the final totals. When reopened, changing quantity or another input recalculates production cost, quote, profit, and margin from the saved project data.

Scenario Builder

Scenario Builder lets you test changes without altering the original project. Select a source project, adjust quantity, materials, ink, time, rates, margin, discount, tax, budget, or desired profit, and review the live comparison.

Scenario Actions

- Discard Changes: return to the original scenario values.
- Save as New Project: create a separate purple Scenario project.
- Replace Original: overwrite the source project after confirmation.

Application Settings

Application Settings contains grouped controls for the business, printer profile, cost rates, materials, templates, customers, backup and restore, preferences, support, and About information.

Ink and Cleaning Costs

For the EufyMake E1 default profile in Build 1021, CMYKWG cartridges are configured at \$29.99 per 100 mL, producing a default ink rate of \$0.2999 per mL. The cleaning cartridge is configured at \$29.99 per 380 mL. Regional prices and actual costs can be edited.

Backup and Restore

- Create regular backups and store them somewhere safe.
- Browser data can be lost if site data is cleared or the browser profile is removed.
- Use Restore to import a compatible backup file.
- Test a backup before relying on it for important business records.

Guided Setup

Guided Setup establishes the display name, business name, location, currency, labor rate, machine rate, waste percentage, target margin, and whether to keep sample projects. On the first step, Cancel closes setup. Back appears only after moving beyond the first page.

Help & Feedback

Help & Feedback includes the User Guide, Report a Bug, Request a Feature, Contact Support, diagnostic information, testing suggestions, and privacy information.

Reporting a Bug

6. Open Help & Feedback.
7. Select Report a Bug.
8. Describe what you were doing, what happened, and what you expected.
9. Leave diagnostic information enabled unless you prefer to remove it.
10. Select Prepare Email, review the draft in your email application, and send it.

Frequently Asked Questions

Question	Answer
Where is my data stored?	In this browser using local storage and IndexedDB.
Does Community Edition require an account?	No.
Why did my quote not change?	Check whether Manual Customer Quote contains a value. Clear it for automatic pricing.
Is total ink per item?	No. Enter total ink for the complete job.
Can I price the same project on another printer?	Yes. Open or duplicate it, then use Change beside the printer field.
Why are Scenario cards purple?	Purple visually separates What-If projects from normal production projects.
Can I install it like an app?	When hosted through HTTPS, supported browsers can offer PWA installation.

Troubleshooting

- Application does not update: refresh the page, then confirm the latest build number in the footer.
- Old data behaves differently: create a fresh project because earlier builds may not contain all saved input fields.
- Email button does nothing: confirm a default email application is configured on the computer.
- User Guide does not open: confirm the docs folder remained beside index.html after unzipping.
- Hosted update looks old: clear the site cache or unregister the older service worker, then reload.

Best Practices

- Use actual supplier costs and review them regularly.
- Include realistic hands-on labor time, not only print time.
- Use a waste allowance for failed prints, setup tests, and spoilage.
- Review the active printer before every quote.
- Use Scenario Builder before discounting a job.
- Back up frequently.
- Treat recommendations as business guidance and review every quote before sending it to a customer.

Community Edition Promise

Community Edition is free for local use. Optional support helps fund future development. Future paid services may cover features with continuing infrastructure costs, such as cloud synchronization, automatic online backup, or team collaboration. Core local calculations are not restricted by optional support.

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