

SlabOS Auto Nest

A credible workflow advantage.

A yield lead still to prove.

A slab layout earns its keep when the pieces fit, the veins make sense and production can use it. SlabOS presents a credible case for connected automatic nesting. Its strongest evidence concerns workflow and operator control. A superior-yield verdict still requires the same jobs, stock and constraints in competing products.

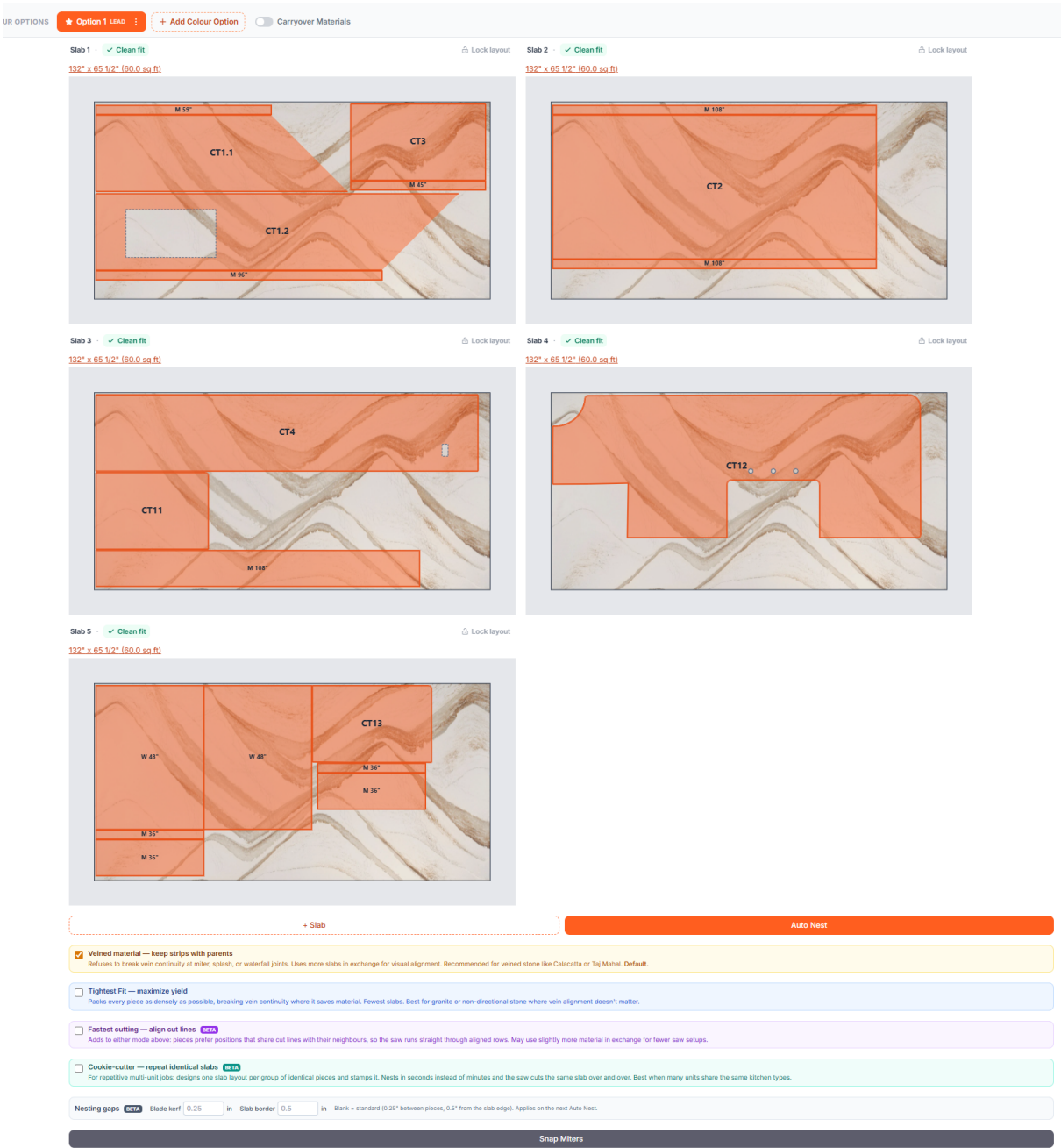


FIGURE 1 / User-supplied screenshot. Five layouts over slab imagery, with fit indicators, layout locks and nesting controls. It is an interface example, not a comparative yield test.

One job. Different priorities.

SlabOS connects countertop drawings, slab selection and pricing.^{[1][5]} Its public video illustrates multi-slab output; the supplied screenshots expose the controls more clearly.^[3] Read-only source inspection corroborates the following behavior, without establishing comparative yield or saw-time savings.

Veined material

Prioritizes related strips and seam alignment. It can keep a miter, splash or waterfall relationship together at the expense of tighter packing. This is a continuity preference, not a guarantee of perfect visual vein matching.^[2]

Tightest Fit

Prioritizes denser packing, with more freedom to rearrange and rotate pieces. It can separate related pieces to use material more efficiently. The name describes the objective; it does not certify a globally optimal layout.^[2]

Fastest cutting / BETA

Adds a preference for aligned cut lines to either mode above. That addresses a production concern beyond occupied area. Whether alignment reduces setups or cycle time on a particular saw remains untested.^[2]

Cookie-cutter / BETA

Builds repeated slab layouts from matching existing pieces, useful for repeated-unit work. Remaining pieces can require different layouts. Repetition is the benefit to evaluate; identical layouts on every slab are not guaranteed.^[2]

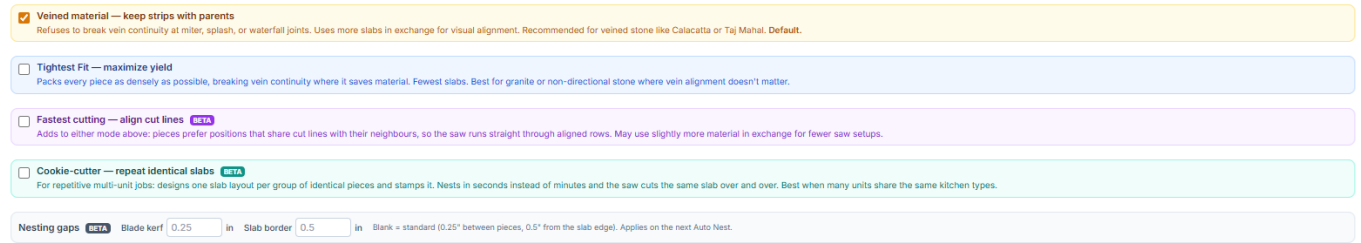
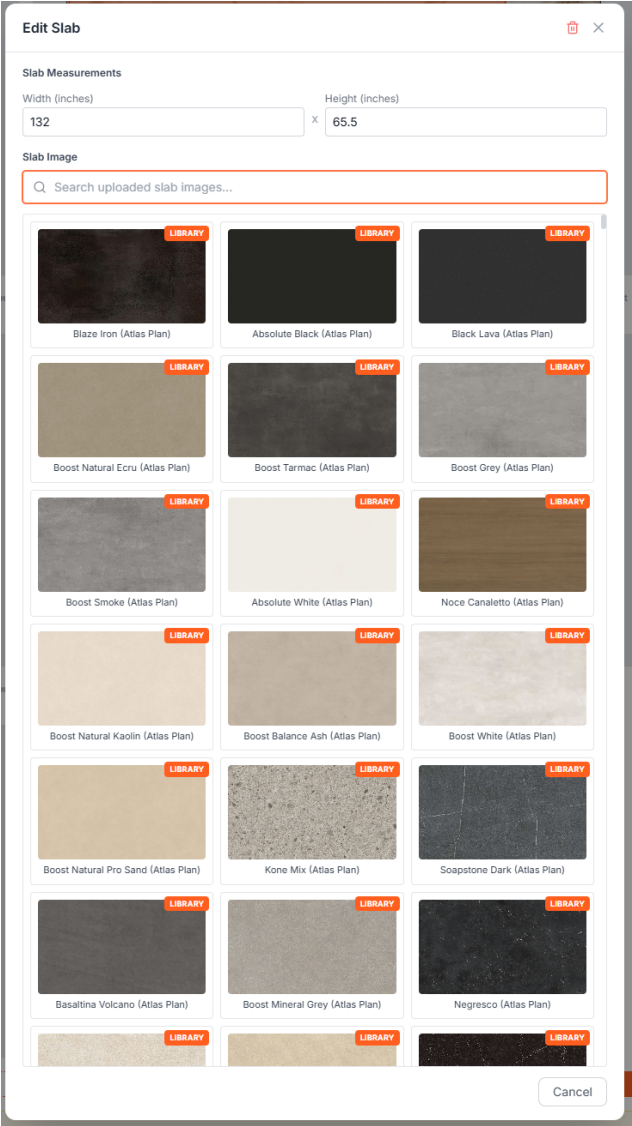


FIGURE 2 / Detail from Figure 1. The supplied screen shows Fastest cutting, Cookie-cutter and Nesting gaps as beta; the displayed gap values are 0.25 in and 0.5 in.

Kerf and border are real nesting inputs. The shown defaults are 0.25 in between pieces and 0.5 in from the slab edge, applied on the next Auto Nest. Confirm beta availability in the shop's account. Manual movement, rotation and seams remain available; Lock layout protects an arranged slab during another run.^[2] Those controls matter more than the advertised number of placement attempts. More attempts alone do not prove better yield.^[1]

The image is not the inventory.

The searchable built-in slab-image library is a meaningful convenience: estimators can select material imagery without sourcing every preview themselves. The screenshot shows the picker; source inspection corroborates the library and scaling of selected imagery to the layout's slab dimensions.



SlabOS reports approximately **20,000 images** and describes the collection as 4K. This review did not independently verify that count or 4K resolution throughout. The confirmed value is convenient material visualization. Scaling an image to entered dimensions does not independently calibrate its depicted veins to a physical slab.

For production, use the exact stock slab's recorded dimensions and photograph. SlabOS documents inventory selection, saved quote holds and separate remnant creation. Searchable offcuts matter; selection of the globally best usable remnant across the entire rack remains unverified.^{[2][4]}

REFERENCE IMAGE
Visual planning and presentation.

ACTUAL SLAB PHOTO
The particular stock, veins and defects the shop must verify.

FIGURE 3 / User-supplied library picker. Width and height fields establish the layout slab dimensions; the image gallery does not prove the catalog count or every file's resolution.

A fit is not a cutting program. Density, visual matching and machine feasibility are separate tests. Defect exclusion and machine-specific allowances remain insufficiently established across the reviewed products. SlabOS documents DXF output for downstream CNC workflows; units, layers, toolpaths and saw setup still require verification. An inventory integration must not be credited as native CAM.^{[5][25]}

Stonify changes the contest.

Stonify is the direct automatic-nesting challenger. Its July releases document Auto Nest, configurable piece and slab-edge gaps, automatic slab generation, rotation choices and vein controls. Direction-constrained pieces can remain outside the slab when they cannot fit.^{[8][9][10]} September adds Undo/Redo, remnant-dimension syncing and generalized attached pieces. Materials can use allocated slab area while dependent services use drawn quantities.^{[11][12][13]} Position locks preserved through reruns remain unverified in the sources reviewed.

Moraware means specific products. CounterGo handles drawing and quoting; Systemize handles job management; Inventory is separate and requires Systemize.^[17] CounterGo documents manual seaming, rotation and placement, explicitly for estimating rather than cutting.^[16] Quantity multipliers can calculate total slab requirements while displaying one representative layout. That helps quoting, but does not establish optimization across every repeated piece.^[18]

ActionFlow's case is operational integration. Its quoting guide describes placing tops in Fabrication Layout, testing seams and adding slab inventory for slab-based pricing.^[19] Inventory includes remnant records; a Slabsmith connection is documented.^{[20][21]} Those are useful capabilities. Native automatic geometric optimization was not established in the materials reviewed.

Stone Profit Systems emphasizes material and job costing. Its fabricator brochure documents seams and manual placement on dimensioned slabs, with quantities, material costs and valued remnants.^[23] A Slabsmith data/image integration is documented separately.^[26] The sources support an operator-arranged costing workflow; they do not establish a native automatic optimizer.

Product	Placement evidence	What to verify
SlabOS	Automatic; modes, gaps and layout locks. ^[2]	Beta availability; real stock; machine handoff.
Stonify	Auto Nest, gaps, slab generation, vein controls. ^[14]	Position preservation during reruns.
CounterGo	Manual estimating layouts. ^[16]	Representative layouts versus full-job nesting.
ActionFlow	Operator layout with inventory pricing. ^[19]	Integration scope; native optimizer unverified.
Stone Profit Systems	Manual nesting and remnant costing. ^[23]	Integration scope; native optimizer unverified.

Documented controls are not matched performance results. Unverified means the reviewed evidence did not establish the capability.

Make the demonstration earn it.

SlabOS's advantage is increasingly specific. Drawing, layout and pricing share a workflow, while its visible controls let an estimator choose between material density, continuity, aligned cuts and repeatability.^{[1][2][5]} The supplied evidence strengthens that case. It does not turn clean-fit badges or the vendor's large-job success story into a measured advantage over another optimizer.

Commercial scope matters. SlabOS advertises all features and unlimited users under a shop-specific quote.^[6] Stonify offers Drawing Only and Full ERP options; confirm editing and integration entitlements.^[15] Moraware separates its products.^[17] ActionFlow's Process offering includes inventory, while SPS lists quoting within its fabrication module.^{[22][24]} Confirm implementation and external-software charges. SlabOS's SlabBridge is early access with guided setup.^[7]

Who should demo it? Shops spending estimator hours arranging pieces and reconciling drawings, stock and quotes should put SlabOS on the shortlist. Repeated-unit shops should specifically test Cookie-cutter; shops balancing vein continuity against yield should test both packing priorities. Stonify belongs beside it for automatic nesting.

Shops satisfied with manual layout should weigh CounterGo, ActionFlow or SPS against their operational needs. A software switch needs more than a yield promise. SlabOS has a credible workflow advantage over the documented manual alternatives; its yield lead over Stonify remains unresolved. Native nesting DXF export for the four alternatives also remains unverified here.

The same-job trial

Use identical jobs, actual slabs and remnants, fixed seams, vein restrictions and realistic allowances. Record slab count, usable leftover shapes, operator minutes and required corrections through export. For cutting-oriented modes, measure actual setups and machine time separately from nesting time.

Methodology and disclosure

Reviewed September 14, 2026. SlabOS requested this AI-assisted editorial review and supplied the screenshots and repository access. Materials included vendor help, current releases, product pages, brochures, public demonstration excerpts and read-only source inspection. No matched product trials or machine cuts were performed. The library count and universal 4K claim were not independently verified; no comparative savings or customer outcome was validated. Missing documentation means unverified, not unavailable. Screenshots are user-supplied evidence, not independent test results. Private source paths and implementation details are excluded.

Sources and evidence

Links open the original material. Product descriptions and release notes establish vendor-documented behavior; screenshots and source inspection have narrower evidentiary roles.

01 Automatic slab nesting SlabOS	14 Drawing and slab layout Stonify
02 Manage slabs and quote nesting SlabOS Help; reviewed September 10, 2026	15 Drawing Only and Full ERP options Stonify; public pricing section
03 Auto Nest demonstration SlabOS / Streamable; public recording	16 Use Slab Layout Moraware CounterGo Help
04 Slab yield optimization guide SlabOS	17 Products and subscription structure Moraware
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07 SlabBridge integration and early access SlabOS	20 Inventory management ActionFlow
08 v0.6.16: Automatic slab nesting Stonify; July 5, 2026	21 Partner integrations ActionFlow
09 v0.6.17: One-click slab nesting Stonify; July 6, 2026	22 January 2026 pricing and plans ActionFlow
10 v0.6.19: Auto vein matching Stonify; July 22, 2026	23 Fabricator brochure: layout and costing Stone Profit Systems; pp. 4-7 and 11
11 v0.6.25: Remnant sync and Undo/Redo Stonify; September 1, 2026	24 Fabricator module features Stone Profit Systems
12 0.6.26: Attached pieces Stonify; September 8, 2026	25 DXF export configuration Slabsmith / Northwood Designs
13 v0.6.18: Drawing quantity rules Stonify; July 13, 2026	26 SPS-Slabsmith integration brochure Stone Profit Systems; undated

SUPPLIED EVIDENCE / Figures 1-3: SlabOS screenshots supplied for this review. Read-only repository inspection corroborated selected controls and image-sizing behavior. Private source paths, internal diagnostics and implementation details are not reproduced.