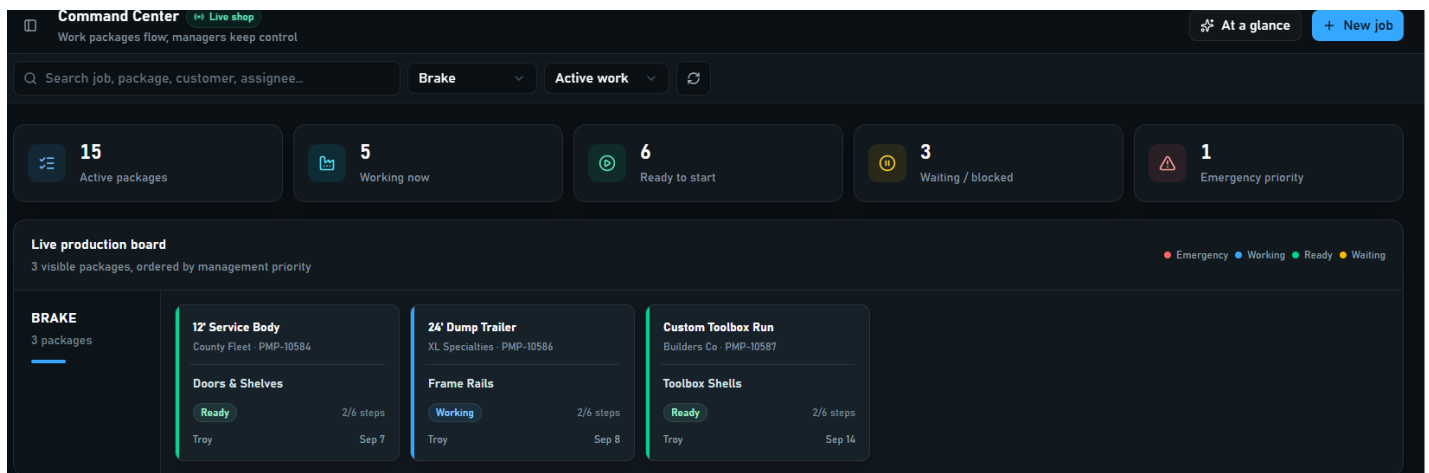


Fab Pilot

Run the work. Understand the job.

Built in a fabrication shop. Designed for fabrication shops.



Command Center: active work, priorities and production status

One connected fabrication workflow

Fab Pilot brings estimating, released work, employee time and job-cost review into one web app built around fabrication shop operations.

Prepare the job

Review CAD, materials, labor and outside services. Keep repeat-part knowledge ready for the next order.

Review the result

Compare quoted and actual hours, materials and direct costs. Preserve the records behind the numbers.

Run the floor

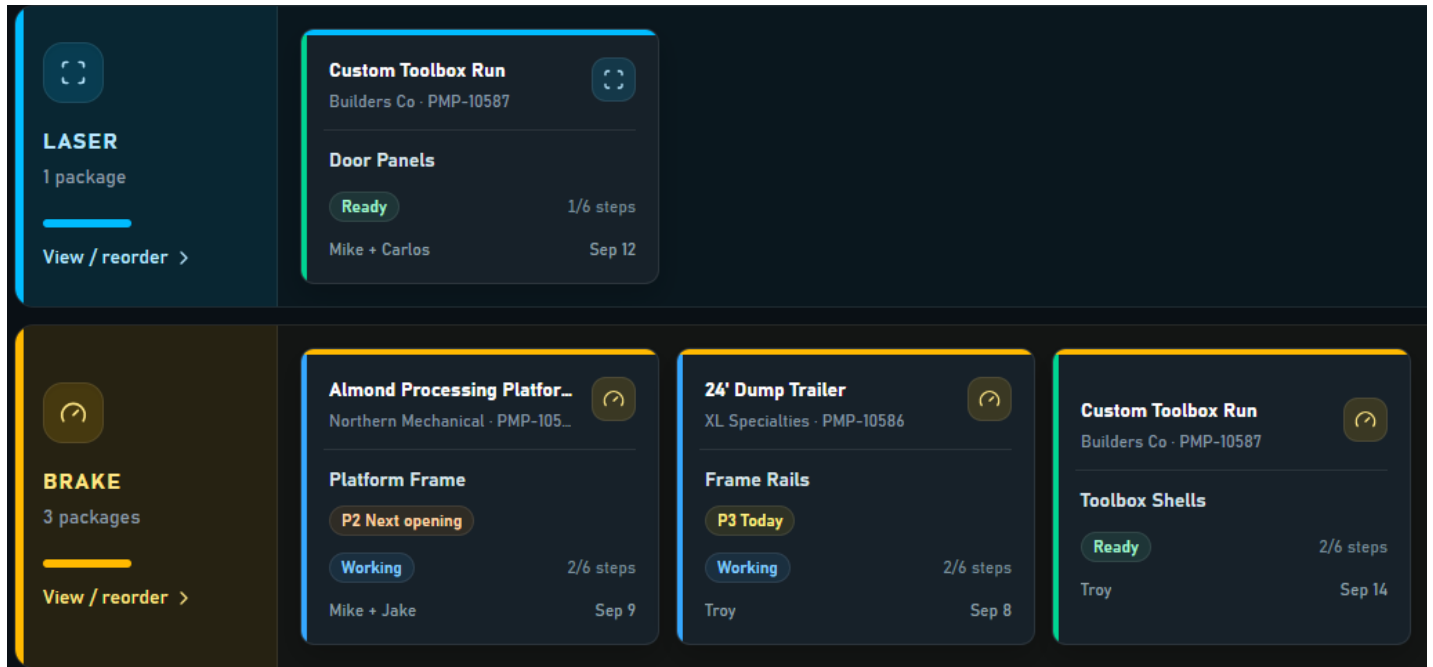
Release work in stages, set priorities, assign people and track quantities through the process.

Finish the handoff

Track quality and packing, then connect completed work to Invoice Pilot for billing.

Job control that follows the shop

Organize the work by project, released package and station.



Station lanes: assignments, process status and manager priorities

Progressive releases

Split a project into work packages. Release the portion that is ready while the rest continues through preparation. Keep quantities and partial completion visible.

Manager priorities

Set the work order, flag emergencies and keep waiting or blocked work visible. Reorder processes and work as shop priorities change.

People and process flow

Assign several people to the same work. Use clear station lanes and start, pause, resume and move-forward actions at the point of work.

Dates and capacity

Use job due dates and optional process dates. Review workload and capacity estimates alongside the work that has been released.

Employee time and payroll reports

Shared-station access with separate records for attendance and job activity.

Payroll time report
Pick a pay period, review employee clock-in hours, then export the report for payroll.

[Detailed labor reports](#) [Export payroll Excel](#)

Choose pay period

Today **This week** Last week This month Last month This year

Specific month: September 2026 Specific year: 2026 Custom start: 09/07/2026 Custom end: 09/12/2026 Employee: All employees [Run report](#)

✓ Showing Sep 7, 2026 - Sep 12, 2026

TOTAL PAYROLL HOURS 42h 36m 1 shift in this period	DAILY AVERAGE 14h 12m 3 worked days	EMPLOYEES WITH TIME 1 Employees with recorded hours	CLOCKED IN NOW 1 Open payroll shifts
---	--	--	---

Payroll reports: pay periods, employee filters and Excel export

PINs at the shop station

Employees clock in or out with their own PIN and select work. Managers pair shared stations and can set a station PIN for access.

Independent timers

Multiple employees can work on one job. Clocking out pauses only that employee's active job timers; clocking in resumes still-valid paused work.

Concurrent jobs and machines

Track an employee across concurrent work. Job hours and payroll hours are different measures, so review each in the right report.

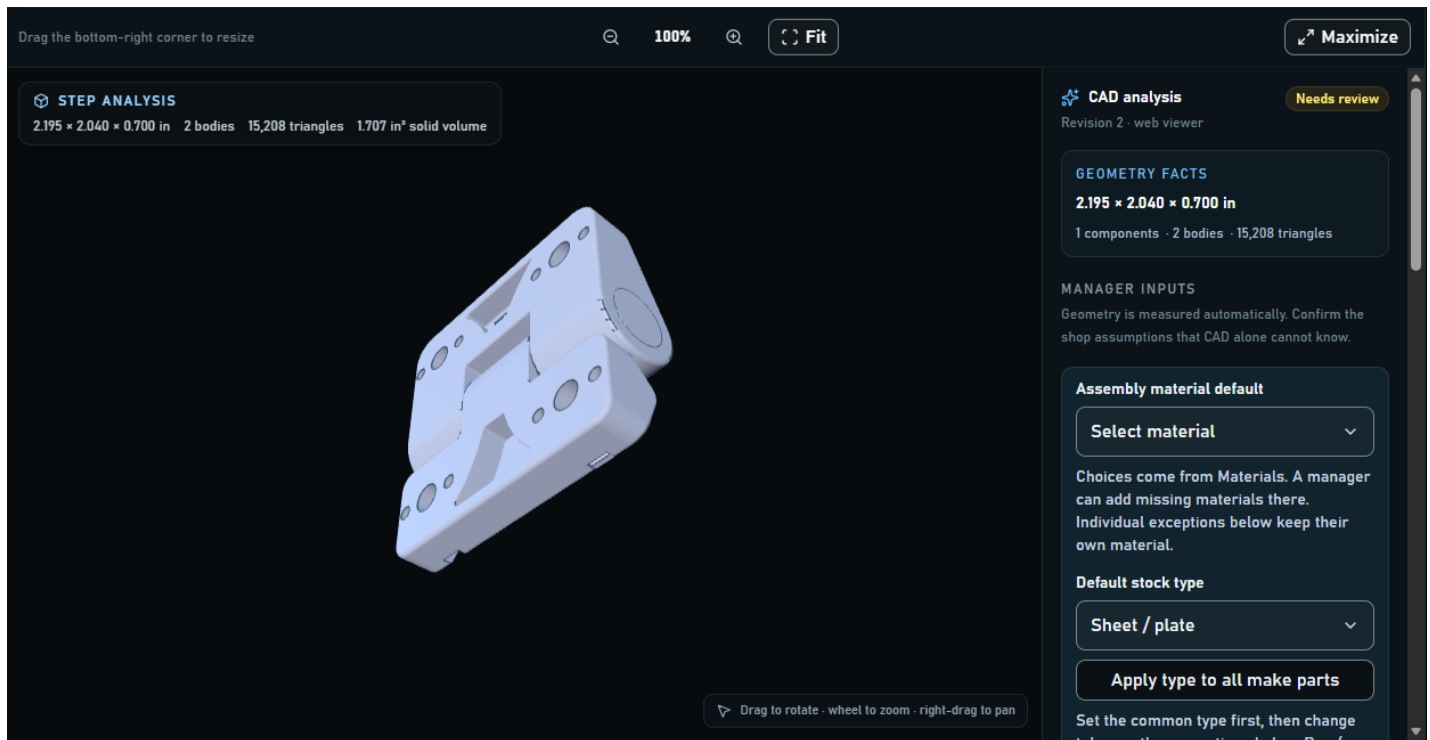
Reporting and leave settings

Choose daily, weekly, monthly, yearly or custom periods. Filter by employee and export Excel reports. Configure sick/vacation accrual and overtime-related settings.

Payroll reporting supports review and export; payroll payments are handled separately.

CAD, drawings and job information

Give estimators and the shop floor access to the production information they need.



STEP viewer: 3D geometry, dimensions and manager review inputs

STEP and DXF review

Inspect 3D models and 2D geometry. Rotate, zoom and maximize the viewer; review dimensions, bodies and detected stock information.

Files with the job

Keep PDFs, drawings, images and CAD together. Open or download supporting documents from the project and released work.

Manager-confirmed inputs

Confirm material, stock type, process, finish and estimating assumptions. CAD measurements provide a starting point for review.

Drawing approvals and QC

Review drawing approval status and include quality-control steps where needed. Keep the production package tied to the work.

Material takeoffs and estimating

Build the estimate with visible quantities, operation hours and shop pricing.

Individual CAD part measurements					
Reference measurements only—the combined material summaries below determine estimated demand.					
		6 detected items		^ Hide parts	
Detected stock	Profile / size	Qty	Calculated usage	Weight	Confidence
Sheet / plate 1600-062-01-02-13-26.STEP	4 × 20.563 × 0.25 in	4	2.28 ft² net	8.1 lb	high
Sheet / plate 1600-062-01-02-13-26.STEP	8 × 20.563 × 0.25 in	2	2.28 ft² net	8.1 lb	high
Sheet / plate 1600-062-01-02-13-26.STEP	4 × 48.56 × 0.25 in	2	2.7 ft² net	9.5 lb	high
Tube / HSS 1600-062-01-02-13-26.STEP	2 × 2 in OD · 0.18 in wall	2	2 @ 75.5 in · 12.58 ft total	18.8 lb	medium
Tube / HSS 1600-062-01-02-13-26.STEP	2 × 2 in OD · 0.18 in wall	2	2 @ 47.125 in · 7.85 ft total	11.6 lb	medium
Tube / HSS 1600-062-01-02-13-26.STEP	2 × 2 in OD · 0.18 in wall	1	1 @ 71.5 in · 5.96 ft total	9.2 lb	medium

CAD part measurements: stock type, usage, weight and confidence

Review detected parts and material demand

Check stock type, dimensions, quantities, usage, weight and confidence. Correct assumptions before relying on the combined material requirement.

Operation	CAD starting point	Hours	Shop rate / hr	Labor cost
Laser	0.5 hr · low 104 CAD bodies; flat cut geometry is not yet available	2	110 Default \$110.00/hr	\$220.00
Welding	20 hr · low 104 components · 104 structural pieces; weld length needs confirmation	3	100 Default \$100.00/hr	\$300.00

Operation labor: editable hours, shop rates and calculated labor values

Labor and selling price

Enter hours and rates by operation. Include outside services, overhead, margin and adjustments; review total cost, selling price and expected profit.

Quote drafts and variants

Save estimating work, compare quote variants and review the inputs before converting approved work to a project.

CAD-derived starting points require shop review. Fab Pilot is not a substitute for final production engineering or an approved cutting program.

Stock planning and repeat work

Keep material knowledge and proven job information available for the next run.

Tube, angle, channel & other stock
Non-plate material stays separate from the sheet total.

Stock source	CAD requirement	Stick length / quantity	Purchase / stick	Cost	Catalog	Confidence
Aluminum 6061-T6 · bar 4 × 0.25 · 144 in 1600-062-01-02-13-26 STEP	48 cuts · 4 in wide × 0.25 in thick · 119.58 linear ft 6061 Aluminum	144 11 sticks · 90.6% yield	110	\$1,210.00	Saved preset	low
6061 Aluminum · bar 8 × 0.25 · 144 in 1600-062-01-02-13-26 STEP	16 cuts · 8 in wide × 0.25 in thick · 27.42 linear ft 6061 Aluminum	144 3 sticks · 76.2% yield	225	\$675.00	Saved preset	low
6061 Aluminum · tube 2 × 2 × 0.18 wall · 240 in 1600-062-01-02-13-26 STEP	40 cuts · 2 × 2 in OD · 0.18 in wall · 211.17 linear ft 6061 Aluminum	240 12 sticks · 88% yield	240	\$2,880.00	Saved preset	low

Stock estimating: material requirements, stick usage and purchase cost

EMS-G FRAME · 8 EMS-G Frames	Rev A	in production	3 active releases	Release again	Edit repeat part	Files (0)	Export materials	Reprice now
PMP-10590 · PMP-10590-01 · 5 EMS-G Frames · Rev A · Qty 5								
Release again asks for the quantity, creates a new job number, and leaves every existing floor release alone. The route, scaled labor budgets, files, and purchased-part BOM follow the new job; its due date is set 14 days out.								

Repeat parts: release again, edit, files, material export and repricing

Catalog and material pricing

Work with sheet/plate, tube, angle, channel, bar and other stock. Review stick usage, yield and purchase cost; save presets and edit selling prices.

Nests for estimating

Review rectangular blank layouts, selected sheet presets, sheet count, waste and utilization. Print numbered nest sheets with part names, sizes and quantities.

Repeat parts and release again

Retain route, materials, files, labor and purchased-part BOM. Choose a new quantity and job number; review dates, details, current cost and inactive processes.

Purchasing and outside work

Track purchasing, reservations and receipts against job needs. Include subcontracted work and its costs. Keep blocked work visible while inputs arrive.

Nest layouts show estimating blanks, not finished cutting contours. Confirm production demand before purchasing or cutting.

Actual costs, reporting and billing

Keep the quote, reviewed job cost and invoice amount distinct.

Time by process

Process	Quoted hours	Actual hours	Difference	Cost basis	Quoted labor	Actual labor value
Welding	8.00	0.00	-8.00	\$100.00/hr · Quoted shop rate	\$800.00	\$0.28
SawCut	16.00	0.00	-16.00	\$100.00/hr · Quoted shop rate	\$1,600.00	\$0.00
Engineering	0.00	0.24	+0.24	\$110.00/hr · Quoted shop rate	\$0.00	\$25.91
Laser	0.00	0.00	+0.00	\$110.00/hr · Current shop rate	\$0.00	\$0.18
Saw Cut	0.00	22.80	+22.80	\$100.00/hr · Current shop rate	\$0.00	\$2,279.64

Total: 23.04 actual hours versus 24.00 quoted. Operator hours are added together, including overlapping work; these are job hours, not payroll hours. Labor is valued at shop rates, not employee wages.

Material usage and purchase cost

Enter actual quantities and total purchase costs, including purchased parts. Blank means unknown; enter 0 when none was used. Save to update differences.

Material / purchased part	Unit	Quoted qty	Actual qty	Qty difference	Quoted cost	Actual total cost	Cost difference
Aluminum 6061-T6 · bar 4 × 0.25 · 144 in	stock item	11.00		—	\$1,210.00		—
6061 Aluminum · bar 8 × 0.25 · 144 in	stock item	3.00		—	\$675.00		—

Quote-versus-actual review: process hours and material quantities

Quoted versus actual

Compare the same quoted scope and quantity. Review hours by process, material quantities and outside costs. Save corrections with reasons and review history.

Preserved time records

Raw clocked hours remain available. Reviewed actual hours can be corrected without erasing the original clock records.

Direct costs and summaries

Separate employee pay cost from shop selling rates. Share elapsed cost across overlapping work, flag missing costs and review labor/material totals by period.

Invoice Pilot connection

Send job details to an editable invoice draft. Partial invoices leave jobs in Completed; full invoicing marks them billed and moves them to Job History.

A fit for the way your shop works

Configure the operating details, then walk one job through the full workflow.

Access and shop settings

Administrator, manager and employee roles control access. Configure processes, stations and rates; choose personal web access or shared shop stations.

Clear displays

Use station-focused views and display choices, including high contrast. Keep the shop-floor actions simple and management information available to the right people.

Completion and delivery

Keep QC and completion records with the job. Prepare packing slips and review the job before the billing handoff.

Backup and recovery

Use backup controls, health alerts and separate-company restore. Automatic backups require an open, signed-in shop screen.

See Fab Pilot in action

Bring a typical job. Walk through the quote, a progressive release, employee time and the completed-job review.

Russell Pitter | (530) 526-4472

rpitter@pitterenterprisesllc.com

pitterenterprisesllc.com

Customer demos • Workflow consultations

Current web-app scope, September 2026. Invoice Pilot is a separate connected app. Inventory Pilot stock sync and full desktop/offline operation are not included in this scope.

Actual Fab Pilot screens captured in September 2026. Interface details may change. Displayed records and amounts are not product pricing or performance claims.