

Gold works and medical devices

Every gramme of gold counted in fine metal

Metal balanced in fine grammes bench by bench, karat alloying worked out for you, a daily vault count, and medical-device lots released on three gates – all on one ledger.

Fine, not gross

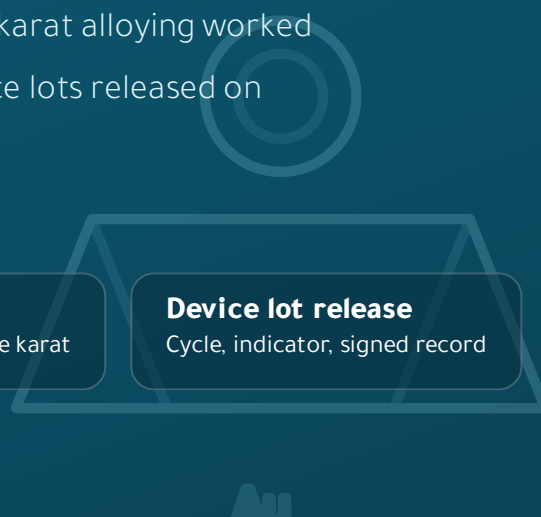
A balance copper cannot fake

Karat alloying

Charges worked out to the karat

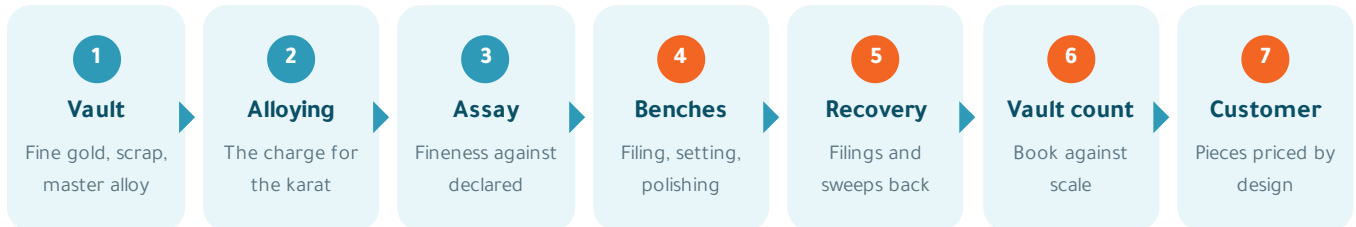
Device lot release

Cycle, indicator, signed record


Au

From the vault to the counter – through every bench

Two trades in one module: a gold works where metal moves from bench to bench, and a medical and dental supplies line where every lot waits for its release. Each step posts its own entry.



Balanced in fine metal

Every movement records gross weight and fineness. The balance runs on fine content; gross is shown beside it, labelled as the figure not to act on.



Loss found bench by bench

A handover has two ends, so each bench is judged on what it received and returned – and a bench with no handover in is flagged, not guessed.



Alloying worked out

Fine gold, your own scrap and master alloy combined to reach the karat – never under the hallmark, never giving gold away above it.



Devices released on gates

A lot is released only when the cycle held, the biological indicator is sterile and the batch record is signed.

2

trades in one module

916

stamp for 22 karat

3

release gates per lot

10

day complaint clock

Struck in fine metal – not in gross weight

Gross weight can be made up with copper; fine content cannot. VLUERP records both on every movement and balances jobs, benches and the vault in fine grammes.



Jobs and benches

- Each movement records gross weight and fineness; the fine content is derived and the reconciliation runs on it.
- Metal issued against finished pieces, filings and sweeps returned – the **unaccounted** fine grammes and % against tolerance.
- A handover is an out for the bench that let it go and an in for the bench that took it, so loss lands on the right bench.
- A bench with no recorded handover in is reported as unjudgeable, rather than given an invented loss.



Vault and daily count

- Vault stock by metal, fineness and source, in gross and fine grammes, with its worth at the marked price.
- The daily count sets book against scale in fine grammes, with a tolerance and a prompt to look **today**.
- Metal on the benches and in the vault shown together, with the last count and how far it was out.
- Scrap carries its refining charge, because it must be melted and assayed before it goes into a hallmarked karat.



Level on gross weight, 31.6 g of fine gold missing

In a worked example, **520 g** of 21 karat was issued (**455.000 g** fine). Pieces, filings and sweeps came back at **423.360 g** fine – **31.640 g** unaccounted, **6.95%** against a 1.5% tolerance. On gross weight the same job is only 26 g out.

Where the leak is

Worked example: polishing lost 5.25% because the sweeps were not collected; other benches 0.5-1.2%.

Jobs over tolerance

Jobs that do not balance, with the fine grammes missing and what they are worth.

Designs and pricing

Karat, gross and fine weight, making, stones and the metal share of the price.

The right karat – and lots on three gates

The charge solver works out each melt to the karat, and the devices line keeps every lot in quarantine until its gates are met – none of them a judgement call.



Alloying

- Fine gold, the works' own scrap and master alloy combined by the same solver the ERP uses for furnace charges.
- Fineness is a window: the declared value is the floor, since a hallmark may not overstate; above it, gold is given away.
- Colour is a second window on silver and copper; each melt records what the charge said, what the assay found and its cost.



Medical and dental devices

- A lot is released only when the sterilisation cycle held, the biological indicator is sterile and the batch record is signed.
- A lapsed registration stops a lot on its own, whatever the other gates say; lots wait in quarantine until released.
- A serious complaint is reportable whether or not anybody ticks the box, and carries a **10-day** clock on the complaints list.

Rules the module enforces

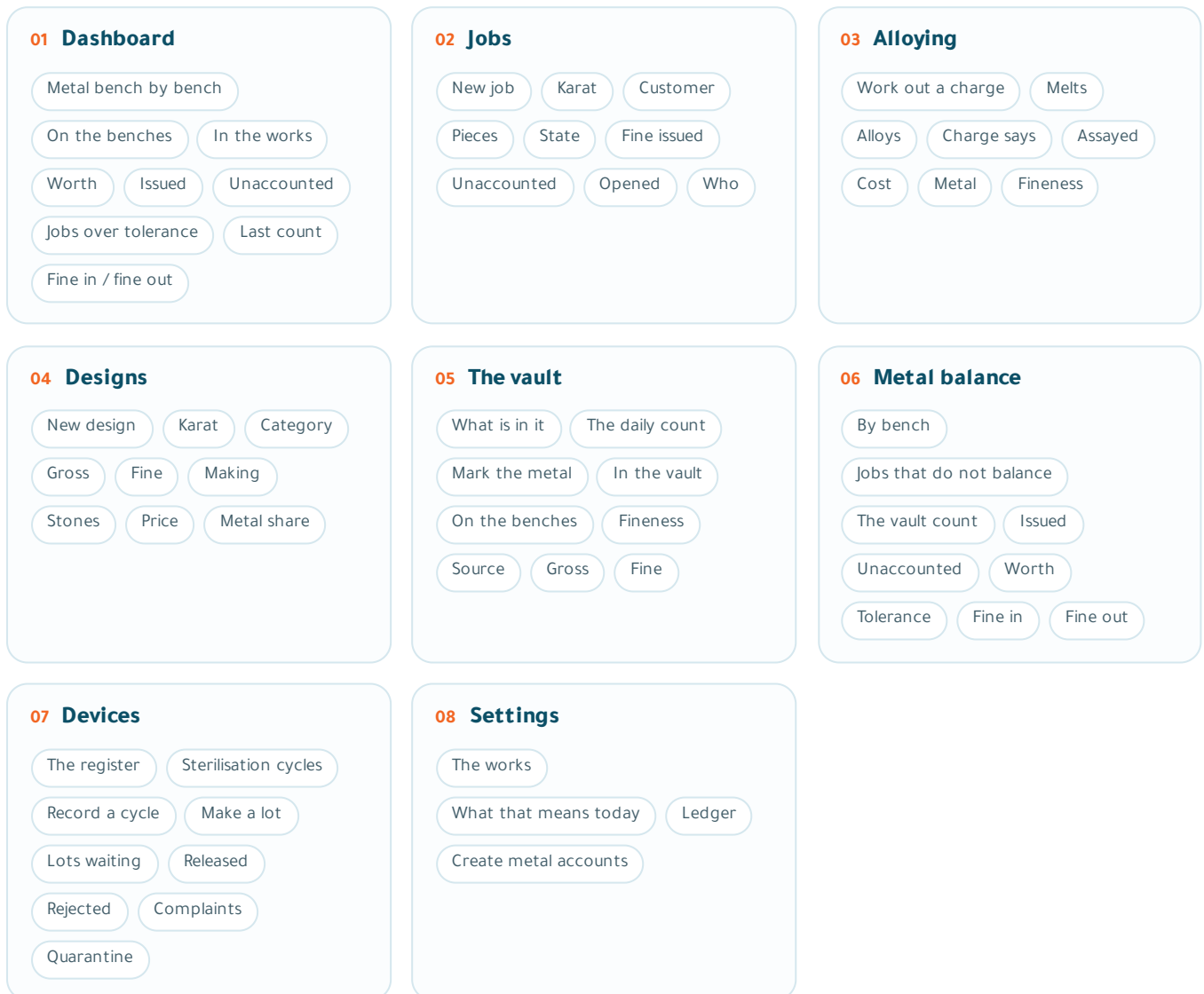
Check	Rule	Result
22 karat	$22/24 = 916.67$ – stamped down, never up	Stamped 916
Assay against declared	2.5 parts under a declared 750	Refused
Job balance	Unaccounted fine metal above tolerance	Job flagged
Vault count	Book against scale in fine grammes	Look today
Device lot	Cycle held, indicator sterile, record signed	Released
Registration	Device registration lapsed	Lot stopped

One solver, tested once: alloying a karat from fine gold, scrap and master alloy is the same problem as a furnace charge, at a thousandth of the scale.

Every screen in the module – and what is on it

Read off the running application – the panels, columns and figures that are actually there.

8 **66**
screens functions



Not a separate program – a complete business system

The trade module sits on top of a complete ERP: everything it does lands directly in the accounts, the stores and the reports – no double entry.



Accounting

Editable chart of accounts, automatic entries from every transaction, VAT and financial statements.



Financial dimensions

Cost centres, departments, business lines and sites – with statements per factory.



Inventory

Warehouses and bins, batches and serials, moving average, FIFO or standard cost.



Purchasing & sales

RFQs, purchase orders and receipts, quotations, invoices and ageing.



Maintenance & assets

Equipment register, preventive maintenance, work orders and depreciation.



Access & language

Roles and rights per module, audit trail, full Arabic and English interface.

Rules built into the module

Fine grammes

Balance struck in fine metal, not gross

22K = 916

Fineness stamped down, never up

Hallmark floor

Charge never under the declared karat

3 gates

Cycle, indicator, signed batch record

10 days

Clock on a serious complaint

These are the rules the module calculates with. Tolerances, metal prices and refining charges are set by your works.

See where your gold **really** goes

Book a session and we'll set the module up with your own karats, benches and designs, then walk through a job from the first issue to the vault count.

Request a demo

Website

www.vluerp.com

Demo request

www.vluerp.com/#demo

Email

hello@vluerp.com

- 1 Metal balance:** a job that is level on gross weight and 31.6 g short in fine gold.
- 2 By bench:** handovers in and out, and the bench where the sweeps go missing.
- 3 Alloying:** an 18 karat charge worked out from fine gold, scrap and master alloy.
- 4 Devices:** a lot waiting on its three gates, and a complaint with its clock.

Switched on from Add-ons with a free seven-day trial, and it runs on the same general ledger.