

Print works solutions

Quote what it really costs not per thousand

Make-ready kept apart from running waste, litho and digital priced at every quantity, a sheet imposed with the grain respected and ink weighed by coverage – tied to accounting and stock.

Make-ready

Fixed sheets per plate change

Litho or digital

The crossover, computed

Grain-true imposition

No fold across the grain

The job as it will run – priced before you promise

A print works quotes per thousand, and almost nothing about it costs per thousand. VLUERP works each job out from the paper, the plates, the press and the ink – and each step posts its own accounting entry.



Real cost at any quantity

Make-ready is a fixed number of sheets per plate change, so a short run and a long one are priced as the different jobs they are.



The right press

Each job is costed on each press. Jobs that ran on the dearer one are listed on the works screen.



Sheets that fold

The layout that fits most up and the one that folds with the grain – and the fewer up is taken rather than a fold that cracks.



Ink within limits

Ink weighed from coverage, area and film, and total coverage checked against the ink limit of the stock.

88.00%

of cost is make-ready, 250

3.66%

of cost at 50,000 copies

0.378

g of ink, 1 m² at 30%

CIE76

ΔE, named for what it is

The quantity decides – the cost and the press

Sheets needed worked out the way a pressroom uses them, and every job priced on every press so the crossover is a number, not a hunch.



Sheets needed

- Make-ready is a **fixed** number of sheets per plate change, kept apart from running waste (a percentage).
- Adding the two into one waste allowance gets short runs badly wrong one way and long runs the other.
- Cost per thousand at any quantity from the same job, with cost and margin on every job.
- The works screen shows paper bought and how much of it went to make-ready.



Litho or digital

- Every job priced on every press: litho falls steeply with quantity, digital stays nearly flat.
- They cross at **one computable quantity** – quote the wrong side of it and you lose the job or the money.
- Jobs that ran on the dearer press are listed with what they cost.
- A roll-fed press is not costed for a cut-sheet job – the system says why instead of pricing it.



Make-ready has nothing to do with the run length

Checked on the running system: the same leaflet, on the same paper and the same press, costs **3,916.60 per thousand at 250 copies** and **83.68 at 50,000**. Make-ready is **88.00%** of the cost at 250 and **3.66%** at fifty thousand.

Where the paper went

Paper bought, the share that went to make-ready, and running waste across the works.

Jobs with a fault

Jobs that cannot run as specified, or that are over the stock's ink limit, listed on one screen.

Margin per job

Copies, press, up, sheets, make-ready, cost and margin on every job taken.

The sheet and the ink — worked out, not assumed

A sheet holds what it holds after the gripper, the bleed and the grain. Ink is bought by weight and used by area. The engine keeps both honest.



Imposition & grain

- Up on the sheet after the gripper and bleed, returning the best layout **and** the best one that folds.
- It takes the fewer up rather than recommend a fold across the grain — and says so.
- Signatures = pages ÷ (up × sides), rounded up; the blank pages that will be printed and bound are shown.



Ink & colour

- Ink grams = coverage × area × film × density, per job and across the works.
- Total area coverage from the separations is **refused** above the stock's ink limit — it will not dry.
- ΔE reported as **CIE76** and named so; spot or process — can four colours stand in for the spot?

Worked examples from testing

Case	Detail	Result
Ink weight	1 m ² at 30% coverage, 1.2 μm film, ink density 1.05	0.378 g
Ink limit	342% total coverage on a stock rated for 300%	Refused
Grain	18 up possible, but the fold would run across the grain	16 up, grain-true
Signatures	A 196-page book imposed 16-up	13 signatures, 12 blank
Spot colour	PMS 186 at ΔE 1.58; PMS 355 at ΔE 13.96	186 process, 355 spot
Roll-fed press	Offered a 750-copy A4 job on cut sheets	Not costed, says why

The grain fix costs nothing: the same paper is made in both grains. And four more pages of content in that book would have cost nothing either.

Every screen in the module – and what is on it

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

4 **36**
screens functions

01 Works

Jobs on the dearer press Where the paper went Over the ink limit Where the grain costs
Cannot run as specified Paper bought Of that, make-ready Ink Jobs with a fault

02 Jobs

Take a job Customer Copies Press Up Sheets Make-ready Cost
Margin

03 Products

Kind Trim, mm Pages Binding Fold Colours Plates Coverage Spot

04 Paper

gsm Sheet, mm Grain Ink limit Area Weight Per 1,000 Per kg
On hand

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.

Standards and regulations supported

CIE76

ΔE colour difference, named as such

TAC

Total area coverage vs. ink limit

Grain direction

Folds checked against the grain

A4 · SRA3

Trim and press sheet sizes in mm

Measures and conventions the press engine works out and names. Grain and ink limit are held per paper on the Paper screen.

See it with your jobs **step by step**

Book a session and we'll set up your presses and papers, price a few of your own jobs litho against digital, and walk through them with you.

Request a demo

Website

www.vluerp.com

Demo request

www.vluerp.com/#demo

Email

hello@vluerp.com

1

One job, two presses: cost per thousand at every quantity, and where litho and digital cross.

2

Make-ready: how much of the paper on a short run never reaches the customer.

3

Imposition: the best layout and the best one that folds with the grain.

4

Works screen: jobs on the dearer press, over the ink limit, or that cannot run.

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