

FOR FOOD, CHEMICALS, AYURVEDA, COSMETICS AND OTHER BATCH MANUFACTURERS

From formula to invoice: one thread from the lab bench to the ledger.

In process industries the formula is the product, and every batch must prove it was made to spec. Yet the formula sits with R&D, the recipe with the plant, the specification with QA, and the cost with finance. Prabandh joins product lifecycle management and ERP on one data model, so a change to the formula flows through to the recipe, the specification, the batch, the certificate, the invoice and the stock value.

EXHIBIT 1 The process squeeze: where quality and margin leak today

1 Formula and recipe drift apart R&D changes a formula; the plant keeps running the old recipe. Nobody can say which version made which batch.	2 Specs on paper, tests in registers Limits live in Word files and results in lab books, so a batch can ship before anyone compares one with the other.
3 Yield and cost you cannot see Scrap, rework and machine time go unrecorded, so batch cost, first-pass yield and stock value rest on estimates.	4 Two customers, two systems Bulk B2B orders and retail B2C sales run on different tools, with stock and GST reconciled by hand at month end.

EXHIBIT 2 One digital thread, formula to cash, on one ledger

01 Formula The formulation as a controlled specification, changed only through change requests and orders.	02 Recipe Versioned plant recipes with scrap, substitutes and intermediates, plus routings and work centres.	03 Specification Typed specs for raw material, packaging, process and finished product, with limits and methods.
04 Manufacture Master schedule, MRP, production and work orders, material issue, yield, scrap and OEE.	05 Quality Output held in quarantine, released only against the spec, with a certificate of analysis.	06 Sell B2B & B2C Quotations and orders for trade buyers; counter and online shop for consumers.
Underneath every step · Inventory Lots, FEFO, quarantine and multi-godown stock		Underneath every step · Accounts Batch cost, AS 2 stock and WIP, GST, one ledger

PLM + ERP Formula and books on one data model	Release by evidence No batch ships without its tests	Full audit trail Who changed what, field by field	Industry packs Food, Ayurveda, plastics and more
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Eight capability pillars along the formula-to-cash thread

EXHIBIT 3 What Prabandh does, and what it is worth to you

01 Formula & change control - Formulation held as a controlled, revisioned spec - Change requests and orders with BOM redlines Benefit · One approved formula, and its full history.	02 Recipes & routings - Plant recipes by version: scrap %, substitutes - Impact on open orders shown before a change Benefit · The plant always makes the approved version.
03 Specifications - Raw, packaging, process and finished-goods specs - Target, limits, method, frequency, AQL, criticality Benefit · One library of standards for R&D, QA and buyers.	04 Planning & production - Master schedule, MRP, lot sizing, finite capacity - Orders with material issue, yield, scrap and OEE Benefit · Fewer shortages and a real batch cost.
05 Quality & batch release - Quarantine until tested against the released spec - CoA, inspection, SPC, NC and CAPA, MRB decisions Benefit · Only batches that meet spec can be sold.	06 Inventory & traceability - Lots, FEFO, shelf life, bins, multi-godown stock - Batch genealogy, trace report, cycle counts Benefit · Less expiry loss; a fast answer when asked.
07 Sales, B2B & B2C - B2B: quotes, orders, credit limits, distributors - B2C: counter POS, loyalty and an online shop Benefit · Every channel sells from one stock.	08 Costing & accounts - Batch cost; AS 2 closing stock with WIP - GST, e-invoice, TDS; one GL, Schedule III Benefit · Stock value and margin you can defend.

EXHIBIT 4 Where the value shows up, and how to measure it

Value lever	How Prabandh enables it	KPI to track
Yield	Recorded scrap, rework and output per order	First-pass yield; scrap rate
Quality cost	Spec-based release, NC, CAPA and MRB	Cost of poor quality; batches on hold
Plant output	MPS, MRP and finite-capacity scheduling	Schedule attainment; OEE
Inventory	Lots, FEFO, shelf life and ageing	Expiry write-offs; inventory days
Margin	Batch cost, channel prices, one ledger	Cost per unit; margin by channel

Follow one batch from formula to invoice

A live walkthrough: formula, recipe, spec, batch, release, sale and stock value.

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