NETEX Apparel

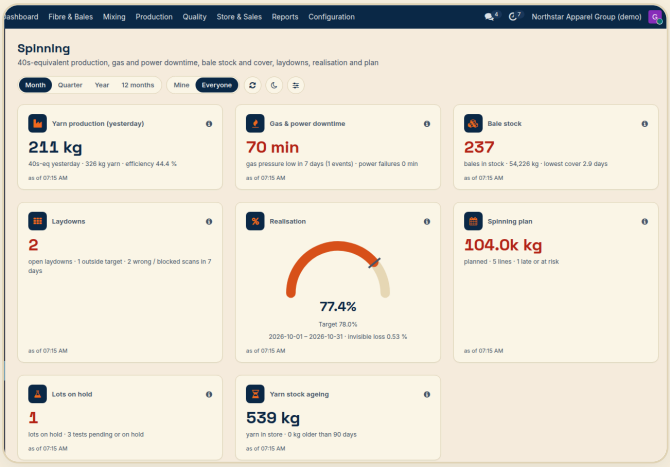
UNIT ONE-PAGER · SPINNING

From cotton contract to yarn carton, *in one view.*

The Spinning app runs a yarn mill end to end: fibre contracts, bales with their HVI values, mixings and laydowns, shift production per machine, waste, yarn tests and certificates, cartons, deliveries and the transfer to your own knitting unit.

What the app *does*

- **Cotton and fibre contracts** with price, quality specification and supplier and ginner screening against restricted-party lists; approval raises the purchase order.
- **Bales and the godown** every bale received with its HVI values, grouped and stocked by position, with days of cover.
- **Laydowns balanced on HVI** mixings proposed, approved and issued; wrong or blocked bale scans are flagged.
- **Plan and spindle planboard** yarn bookings from merchandising become plan lines on the machines.
- **Shift production** per machine, with stops, gas pressure, waste and WIP counts, in 40s-equivalent kg and GPSS.
- **Test, certify, ship** yarn test results, certificate of analysis (COA), cartons, yarn PI and delivery, or transfer to knitting with the fibre origin passed on.



The Spinning dashboard: yarn production, downtime, bale cover, laydowns, realisation and plan.

Who uses it

- Mill GM / spinning master: contracts, laydowns, plan, approvals, costing
- Floor supervisor: shift production, stops, waste, WIP
- Lab technician and spinning PPC: tests, plan and planboard

A day in the unit, *step by step*

1 **Contract**
Record and approve the cotton contract; PO follows.

2 **Bales and HVI**
Receive shipments, test values on every bale.

3 **Mix and laydown**
Balance the laydown, approve, issue.

4 **Plan**
Spindles allocated on the planboard.

5 **Shift production**
Enter kg, stops, waste and WIP per machine.

6 **Yarn tests**
Evaluate against the test plan; hold what fails.

7 **COA and cartons**
Certificate issued, cartons packed.

8 **Deliver or transfer**
Sell on a yarn PI or move to knitting.

Screens show fictional demonstration data (Northstar Apparel Group (demo)).

NETEX Apparel

SPINNING · FOR THE UNIT HEAD

What you see *every morning*

On the dashboard

Yarn production (yesterday)
40s-equivalent kg with efficiency.

Gas and power downtime
Minutes in the last seven days.

Bale stock and cover
Bales, kg and the lowest days of cover.

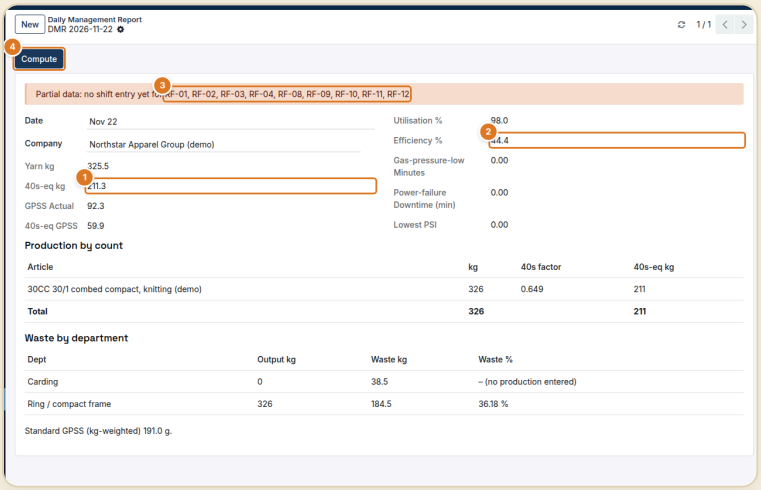
Laydowns
Open, outside target, wrong or blocked scans.

Realisation
Last closed month against target, with invisible loss.

Spinning plan
kg planned, lines late or at risk.

Lots on hold
With tests pending.

Yarn stock ageing
kg held beyond the ageing limit.



The Daily Management Report for one date, with machines still missing their entries.

Reports and *management views*

Daily Management Report: pick a date; yarn kg, 40s-equivalent kg, GPSS, utilisation, efficiency, gas-low and power-failure minutes, waste by department; machines with no entry are listed.

Realisation and Mass Balance: fibre issued against yarn packed and waste; kg you may still sell as certified, per scheme.

Costing: contribution per kg and per spindle per day by count, power by source, conversion cost by count, WIP valuation.

Analysis reports: shift production, GPSS, downtime Pareto, end breaks, waste %, cotton position, yarn ageing and more; to Excel or PDF.

Linked to *the rest of the mill*

COMES IN FROM

- Purchase (contract to PO)
- Commercial (cotton LC)
- Planning and Merchandising (yarn bookings)

Spinning
ONE DATABASE, ONE LOGIN

GOES OUT TO

- Knitting (yarn transfer with origin)
- Sales (yarn PI and delivery)
- Bond register (fibre consumption)

ALSO CONNECTED

- Inventory bale godown
- Traceability and origin evidence
- Maintenance assets
- Accounting (conversion cost)

See Spinning *with your own mill's figures.*

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