

● INSPECTING AT YOUR PACE

AI VISION QUALITY CONTROL • SHEET & TOWEL FOLDERS

# See the defect before the guest does.

Industrial cameras and AI models trained on your linen inspect every sheet and towel at line speed, then tell the folder which pieces to reject.

# Inspection standards should not depend on who is watching.

Finishing lines run fast. An operator without extensive defect training may notice that something is wrong, but cannot consistently judge the type or severity of a stain, mark or hole before the piece is packed and dispatched.

01

## Speed

Every piece must be assessed in seconds while the line keeps running.

02

## Specialist judgement

Reliable classification takes experience and a trained eye, not just an extra pair of hands.

03

## Consistency

Fatigue, shift changes and individual judgement lead to different quality outcomes.

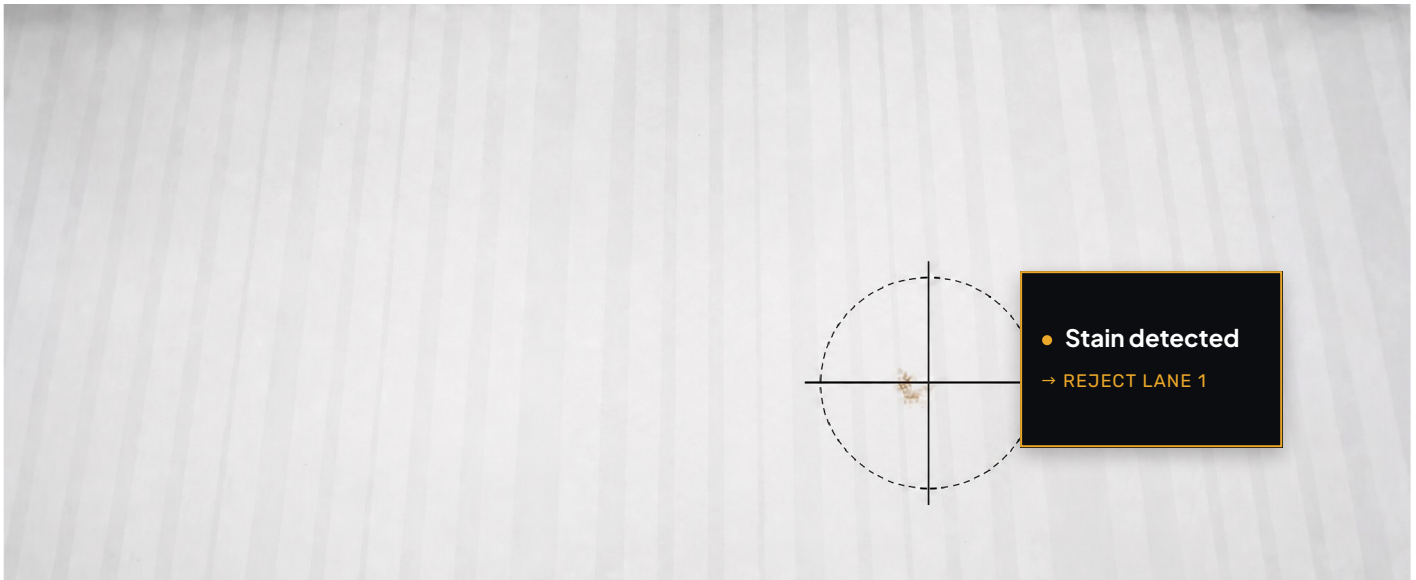
“Threadscan does not replace expert judgement. It makes trained inspection standards available on every shift.”

## Why a missed defect costs more than the invoice line

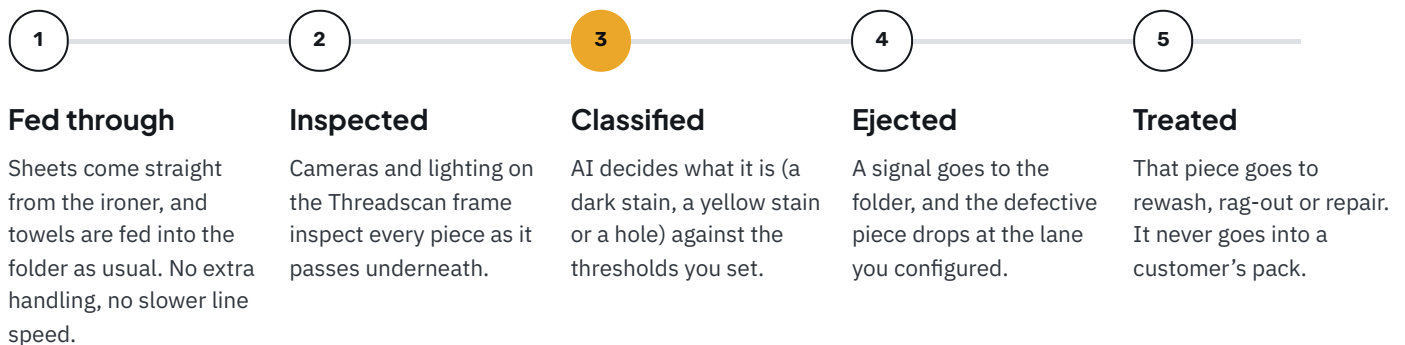
A piece the customer rejects is not paid for and must be replaced. The laundry also absorbs reprocessing, picking, dispatch, administration, transport and, where linen cannot be recovered, replacement of the asset itself. And every defect that reaches a hotel room is a problem in front of the guest.

# A camera over the folder that stops a bad piece reaching the customer.

Threadscan sits over the finishing line. It looks at every piece, names the defect and tells the folder where to eject it, so the pack that leaves your plant is the one you meant to send.



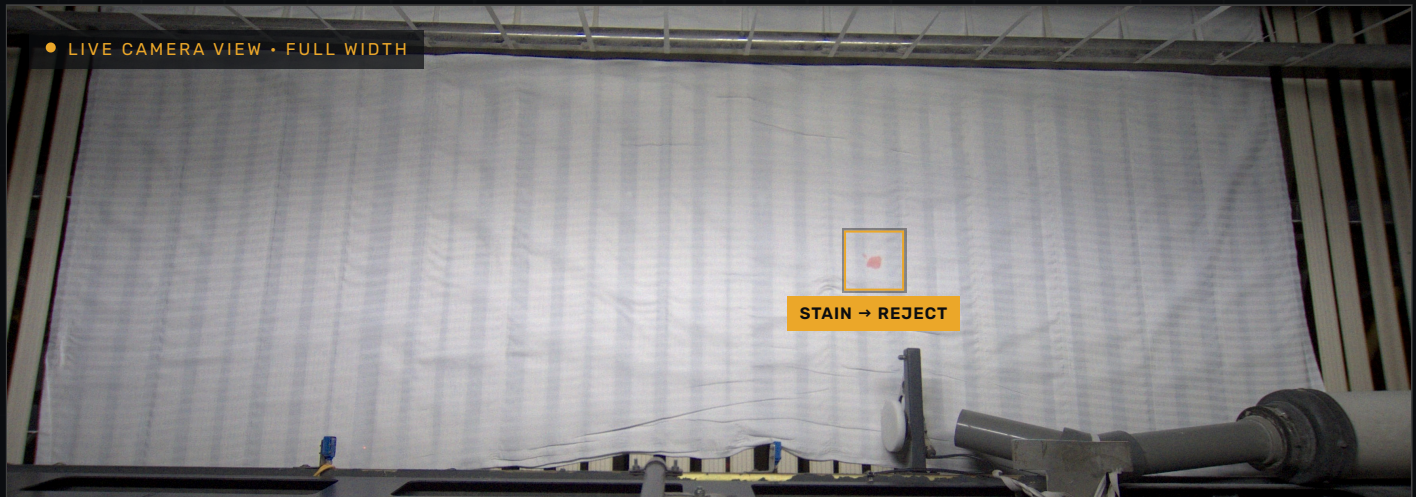
Every piece is inspected across the full width of the line. A defect is classified and routed in real time.



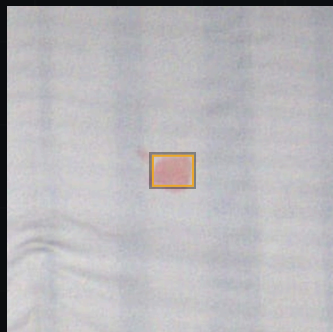
Clean pieces stay on the belt and stack as usual. **Only the rejected piece leaves the line.**

# Defects, classified the way your laundry works.

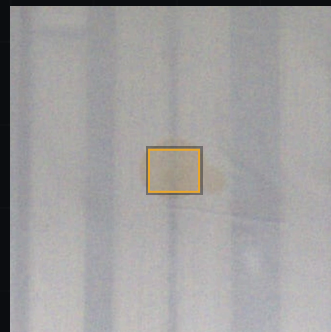
Threadscan's models start from real production linen and are then retrained on yours: your linen, your lighting and your defect mix. You decide what counts as a reject.



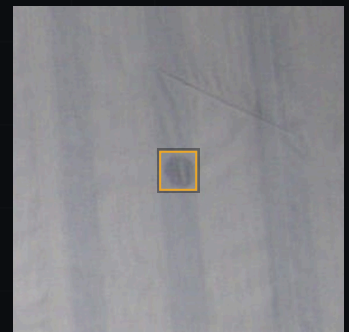
DARK STAIN



RED STAIN



YELLOW STAIN



HOLE

Real Threadscan detections from production lines.

## 01

## Your thresholds, your rules

Set the confidence level and minimum defect size for each defect type, and choose which reject output each type goes to.

## 02

## Hems and edges handled

Edge zones keep hems from triggering false rejections, while real defects in the body of the piece are still caught.

## 03

## Near-misses stay visible

Borderline detections are recorded separately for review, without rejecting good linen.

## 04

## Evidence, not opinion

Rejects and near-misses are saved as timestamped images, so quality conversations start from facts.

## 05

## Gets better on your floor

Confirmed examples feed back into training, and improved models are installed on your machines.

# Sheets and towels. Built around your folder.

Threadscan is designed to fit into your existing processes, not the other way around. The same adjustable frame fits both ironer lines and towel folders. Each machine has its own Threadscan unit, with an operator screen mounted on the folder.



## Ironer lines

Inspects sheets and other flatwork as they leave the ironer, before folding and stacking. Defective pieces are rejected by the folder.



## Towel folders

Inspects bath and hand towels as they pass through the folder, rejecting stained or damaged pieces before they reach the stack.

### OPTIONAL • RFID

## Know which piece it was.

Add RFID antennas to the Threadscan frame and tagged pieces are read as they pass, on ironer lines and towel folders alike. Reads are matched to the inspection record, so a defect can be traced to a tagged item and, when your tag data is connected, to its customer.

- Defect and reject history for tagged items
- The customer and article type behind each tagged defect
- Export tag data to your own systems

### ● RFID READ • FOLDER 2

|            |                        |
|------------|------------------------|
| Tag        | E280 6894 0000 51A3    |
| Item       | King sheet             |
| Customer   | Hotel customer A       |
| Inspection | Stain • rejected       |
| History    | 3rd reject in 6 months |

Example record, for illustration.

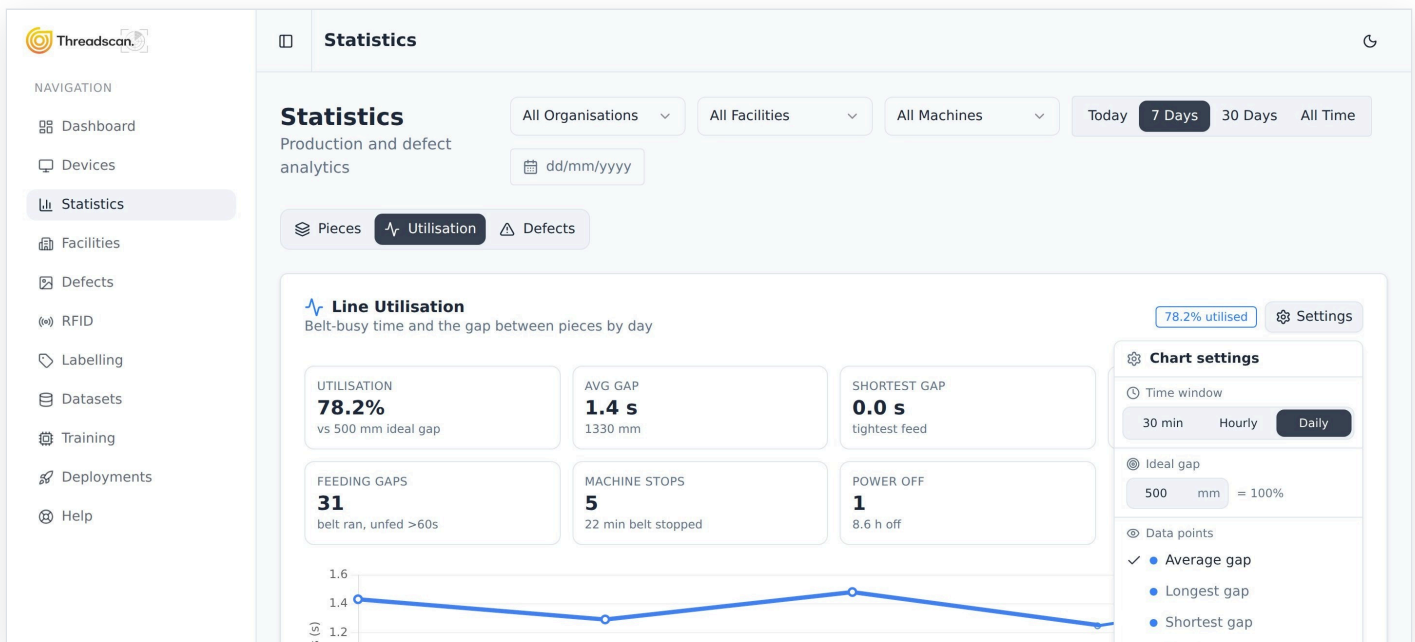


Available as an add-on to CLMTextfinity sheet and towel folders, and as a retrofit to existing lines. Works on 1-, 2- and 4-lane folders, with one price for every configuration.



# The camera sees the product. The console is where you run quality.

Every detection, stoppage and tag read lands in the Threadscan console. Review, measure and improve from one place, on any device.



Line utilisation, feeding gaps and machine stops in the Threadscan console.

## Quality

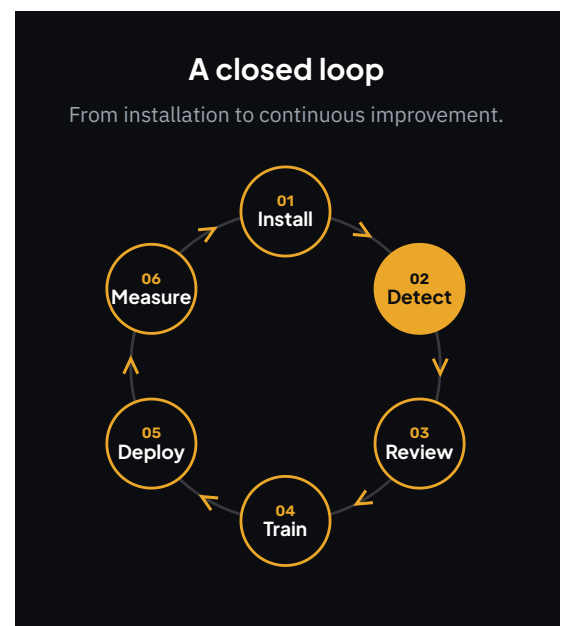
- Defect gallery with the full image, class, confidence and time
- Filter by facility, machine, date and defect type
- Flag false calls and find similar detections in one click

## Open API

- An API for detection and production data
- Laundry software providers can use it to integrate Threadscan with their own systems

## Production

- Pieces, line efficiency (pieces per running hour) and line utilisation
- Feeding gaps, machine stops and downtime, quantified
- Compare machines, days and sites, or show it live on a wall screen



# Fewer sheets rejected by customers. Same work in fewer hours.

Consolidated Linen Service · Queensland, Australia

What Threadscan changes on a laundry’s sheet lines: fewer sheets rejected by customers, and more pieces in every hour the line runs.

|                                                                                                                                                                                                          |                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>≈ <b>−47%</b></div> <div><b>Sheets rejected by customers</b></div> <div>Customers rejected about 135 of every 10 000 sheets delivered. With a Threadscan unit on each sheet line, about 71.</div>   | <div><b>+13.5%</b></div> <div><b>Ironer line efficiency</b></div> <div>790 pieces in every hour the line runs, up from 696, because there are fewer empty gaps: linen is passing the camera 74% of running time (was 66%).</div> |
| <div><b>9 hours</b></div> <div><b>Fewer running hours, same work</b></div> <div>First five days: 48 700 pieces in 70 running hours. Latest five days: 48 300 pieces, almost the same, in 61 hours.</div> | <div>≈ <b>430</b></div> <div><b>Fewer sheets rejected by customers</b></div> <div>Every week, with a unit on each sheet line, based on about 67 500 sheets delivered.</div>                                                      |

|                                                                                                                                                                                                |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>SAVINGS PER YEAR · A THREADSCAN UNIT ON EACH SHEET LINE</b>                                                                                                                                 |                   |
| <div><b>Fewer sheets rejected by customers</b></div> <div>Each sheet a customer rejects means money back to them, plus replacement, handling, admin and a share of lost linen.</div>           | <b>≈ €68 000</b>  |
| <div><b>Higher line efficiency</b></div> <div>The same work in fewer hours saves crew time worth nearly two-thirds of one full-time job.</div>                                                 | <b>≈ €35 700</b>  |
| <b>SAVINGS PER YEAR</b>                                                                                                                                                                        | <b>≈ €103 800</b> |
| <div><div><b>+ Potential at your site</b></div><div>With Threadscan doing the continuous visual inspection, a laundry may be able to free up one manual inspection role per shift.</div></div> |                   |

The drop in sheets rejected by customers is attributed to the inspection, and the efficiency gain to Threadscan’s line-efficiency reporting. Savings are valued at CLS’s own costs; yours will depend on your volumes, product mix and labour costs. Method: one Threadscan unit on one of CLS’s two sheet lines in Queensland; flat sheets only; finalised invoiced or dispatched documents. Sheets rejected by customers = sheets credited ÷ sheets delivered, four weeks (13 July–9 August 2026) compared with a period without Threadscan (June–October 2025). Rejects are counted across sheets from both lines: with one unit they fell from 135 to 103 per 10 000 sheets, and the figures above apply that reduction to each of the two lines. Efficiency compares the first five and the last five production days from 24 July to 10 August 2026 (line-efficiency reporting started on 23 July 2026); a running hour has at least 50 pieces, and gaps over 60 seconds count as stops. Converted at 1 AUD = 0.62 EUR (September 2026). Figures come from one site, not a controlled trial; they may also reflect product mix and operating conditions, and are not a guarantee.

## WHAT'S INCLUDED

# Everything on your line, and the service behind it.

### 01

#### The Threadscan unit

One-time purchase, one unit per machine

- Adjustable frame, approx. 3.7–4.6 m wide
- Industrial cameras with dedicated lighting, unaffected by daylight
- AI computer in the unit, inspecting in real time
- Operator screen mounted on the folder
- Reject signals to the folder, per defect type
- AI model trained on your own linen
- Installed and put into service by CLMTexfinity with Laundry Automation engineers
- Operator training and a 12-month warranty
- *Optional extra: RFID antennas*

### 02

#### The subscription

Monthly, per unit, with reduced rates for additional units

- Threadscan console: defect gallery, statistics, line efficiency and wall-screen dashboards
- Unlimited AI model retraining, with each improved model installed on your units
- Remote software updates for the Threadscan unit and the console
- Remote monitoring and alerts
- Support from CLMTexfinity first, backed by Laundry Automation engineers
- API access, so your laundry software provider can integrate Threadscan with their system

### 03

#### Your data

Processed on the unit, protected in the cloud

- Inspection runs on the Threadscan unit. The cloud receives defect images, production data, settings, machine health and, if fitted, RFID reads.
- EU customers' data is hosted on servers in the EU.
- Encrypted connections between the unit, the cloud and your browser.
- Access limited to your organisation, with user roles and permissions.
- Your full defect image history is kept, so the evidence is always there.



#### SEE THE DEFECT BEFORE THE GUEST DOES

### What could automated inspection save your laundry?

Ask about a Threadscan assessment for your finishing line. We'll look at your volumes, rejects and line data, and show you the numbers.

Scan to read the case study or book a demo • [laundry-automation.com/expo](https://laundry-automation.com/expo)

#### CONTACT

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#### EUROPEAN DISTRIBUTION

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Ask your CLMTexfinity representative about adding Threadscan to your sheet or towel folders.