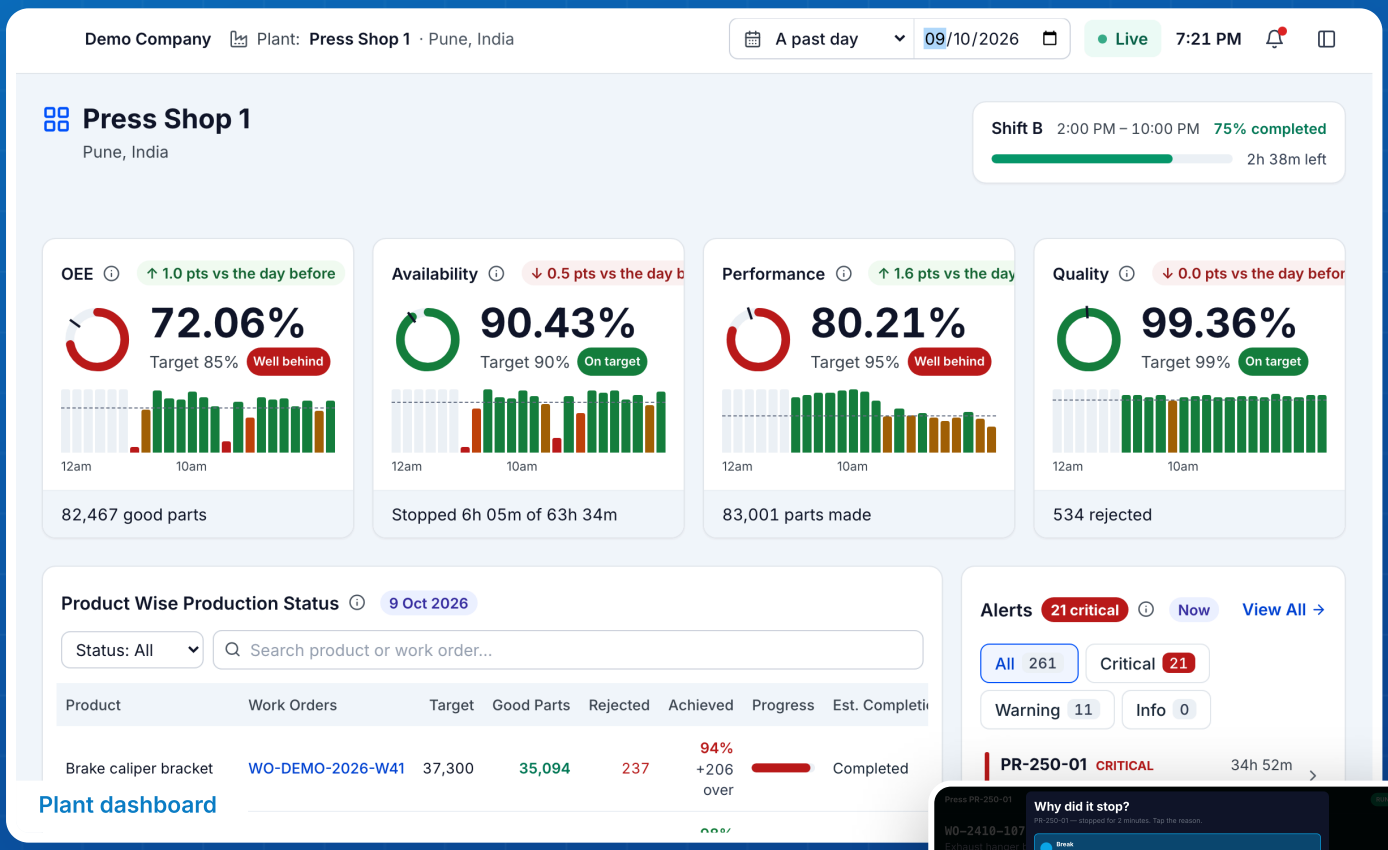
Nisthora

Scan to explore Nisthora

Industry 4.0 for the machines you already have

Connect | UNS | Production | Insight | Health



Plant dashboard

Works with your machines' own languages

OPC UA | Modbus TCP | Siemens S7 | EtherNet/IP | MQTT Sparkplug B | HTTP

A product of PRISHORA

Nisthora

See every machine. Trust every number.

Nisthora connects to the machines you already have, shows how each one is running, live, warns the right people the moment something goes wrong, and helps your team find out why. No paper log sheets. No guesswork. No new machines.

Product Portfolio

Nisthora Connect

A small edge device in your plant reads your PLCs (the controllers inside each machine) in their own language, and never loses a reading. Machines are added on screen in the Device Hub, with no code.

Nisthora UNS

A unified namespace: every reading gets one clear, live address, from company to plant, line, machine and sensor. Your own tools can subscribe to it over MQTT or read it through a REST API.

Nisthora Production

Work orders, batches and a tap-only panel on every machine. Live OEE for every machine, line and shift, and alerts that reach the right person in seconds.

Nisthora Insight

Downtime analysis, SPC and golden batch, root cause investigations, energy, reports and an AI copilot that answers questions from your own plant data.

Nisthora Health

Learns what is normal for each machine from its own history. Flags sensors that cannot be trusted, readings that are not normal, slow drift and hidden short stops, and says which machine needs maintenance in the next 30 days, and why.

Reasons to Choose Nisthora

Set up by a technician

Every step happens on screen: plants, lines, machines, shifts and products. Your own technician sets it up. No developer, no code.

One platform

Connection, live data, production, analysis and machine health in one product, with the same screens from the first line to the last plant.

Secure by default

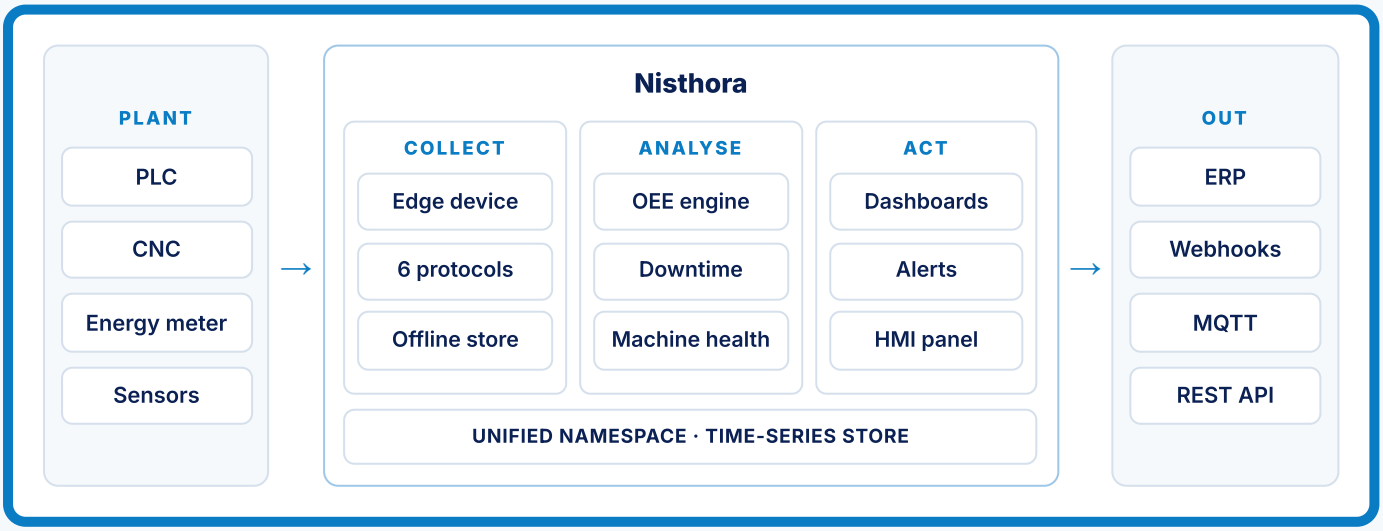
A key for every edge device, deny-by-default messaging, encrypted connections and each company's data kept apart.

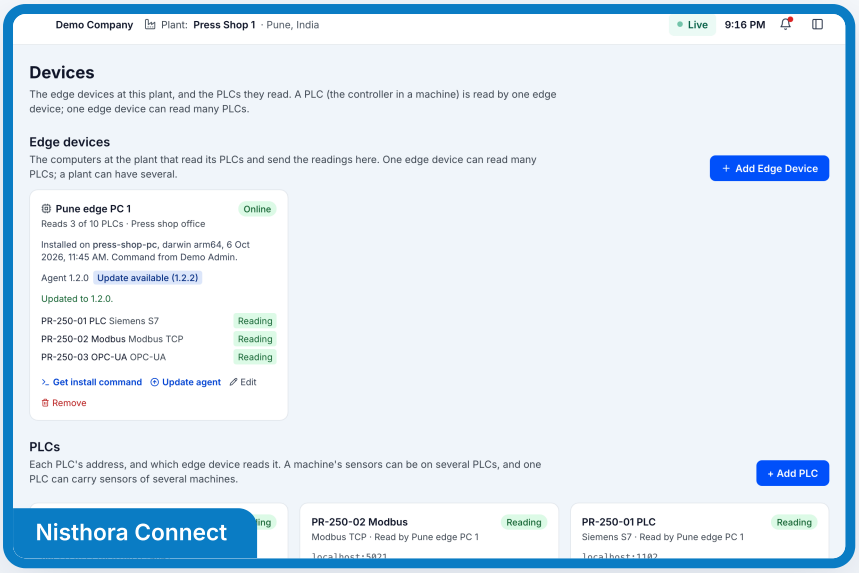
Deep Dive into Product Features

Nisthora Connect

From machine to screen

The edge device reads the PLCs on the plant network and sends every reading, securely, to Nisthora. Nisthora gives each reading its place in the plant, works out production and OEE, and shows it live, on screens, phones and the machine panel.





Universal machine connectivity

One edge device reads many PLCs from different makers at the same time, over OPC UA, Modbus TCP, Siemens S7, EtherNet/IP, MQTT Sparkplug B and HTTP. Add a PLC, test it, discover its tags and start collecting, all from the Device Hub.

The edge advantage

Every reading is saved on the device first. If the internet drops, the device keeps reading and sends everything later. Each reading carries its own number, so nothing is lost or counted twice.

- One-time install command; starts on its own after a power cut
- New versions pushed remotely, no plant visit
- Steady readings are not re-sent; changes always are

Read PLC values, all day → **Store** on the edge device first → **Send** when the link is up → **Check** stored once, never twice

Internet drops for an hour?
Machines keep being read. When the link comes back, the hour is filled in, in order, and the dashboards catch up on their own.

Nisthora UNS

Company your business
Plant Press Shop 1, Pune
Line Press line A
Machine PR-250-01
Sensor air pressure, piece count, motor current

```
company / press-shop-1 / line-a / pr-250-01 / clutch-air-pressure
```

Unified Namespace

One live, organised address for every reading, in place of a tangle of point-to-point links. Live screens read straight from it, so numbers move the moment the machine does.

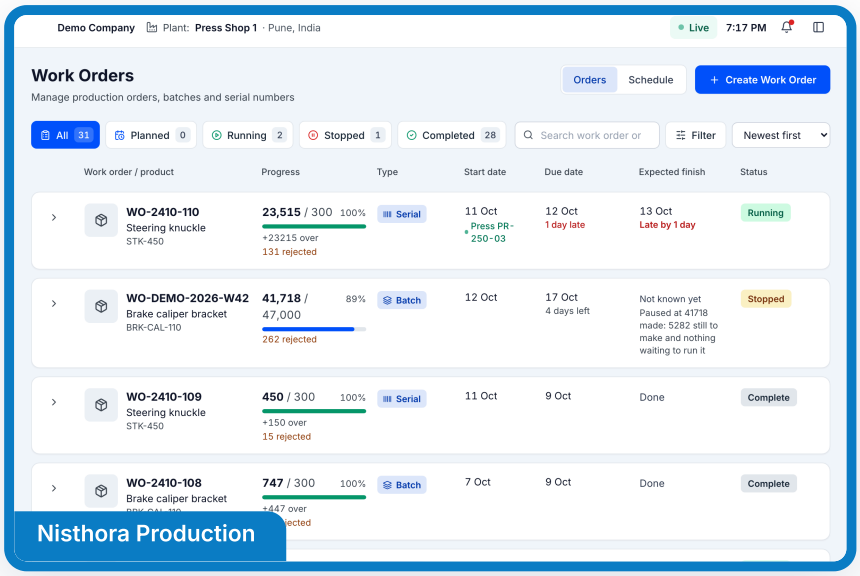
- Raw readings and live facts (OEE, state, counts)
- Open to your own tools over MQTT
- Each company sees only its own branch

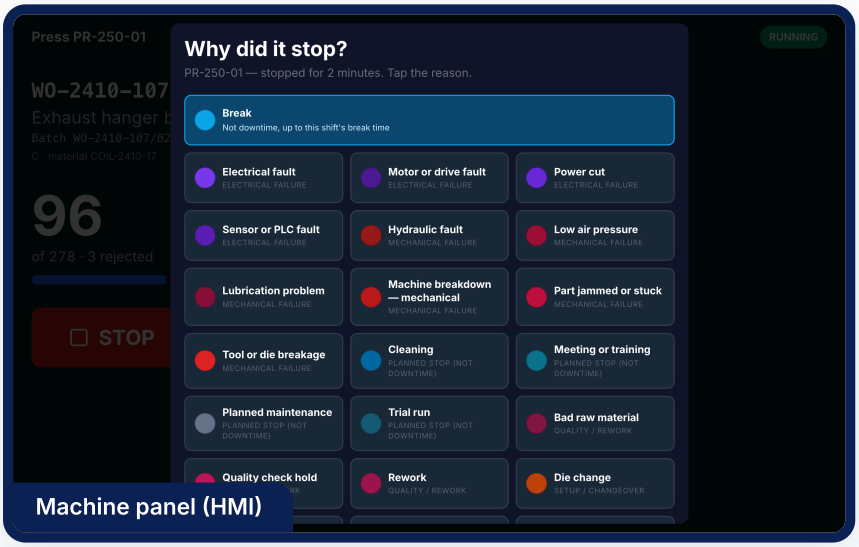
Nisthora Production

Work orders and batches

A work order is a job to make one or more products, in set quantities, by a date. Each product runs as its own batch, planned on a line, shift and day. When the last batch is done, the work order closes itself.

- See what is running, waiting and late, at a glance
- Batch numbers follow a pattern you choose
- Work orders can come in from your ERP





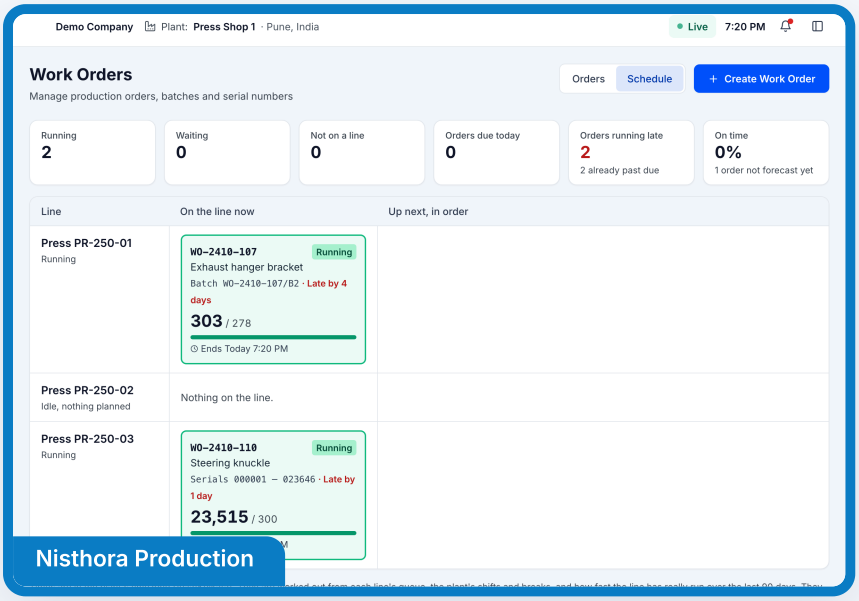
Tap, don't type

Every machine gets a touch panel (an HMI, human-machine interface), built for operators who are busy, wear gloves, or may not read well.

- Big Start and Stop buttons in clear colours
- Stop reasons as large picture buttons
- Nobody types a code or an ID, ever
- Machine data counts only while a batch runs

Traceability: "where did this come from?" in seconds

Work order	→	Batch	→	Machine and shift	→	Operator and material lot
the customer job		one product, one run		where and when		who, and from which coil or bag



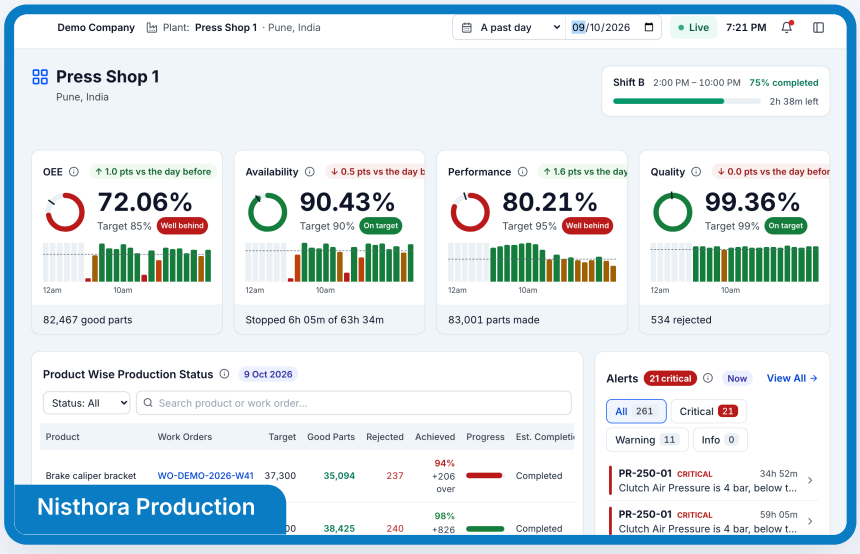
Every line, right now

What each line is making, how far along the batch is, what comes next, and which orders will finish late. Finish times are worked out from each line's queue, its shifts and breaks, and how fast it has really run.

Live OEE dashboard

OEE (overall equipment effectiveness: how much good output a machine makes, out of what it could) for every machine, line and plant, with good parts, rejects and progress for every product, and the alerts that need attention.

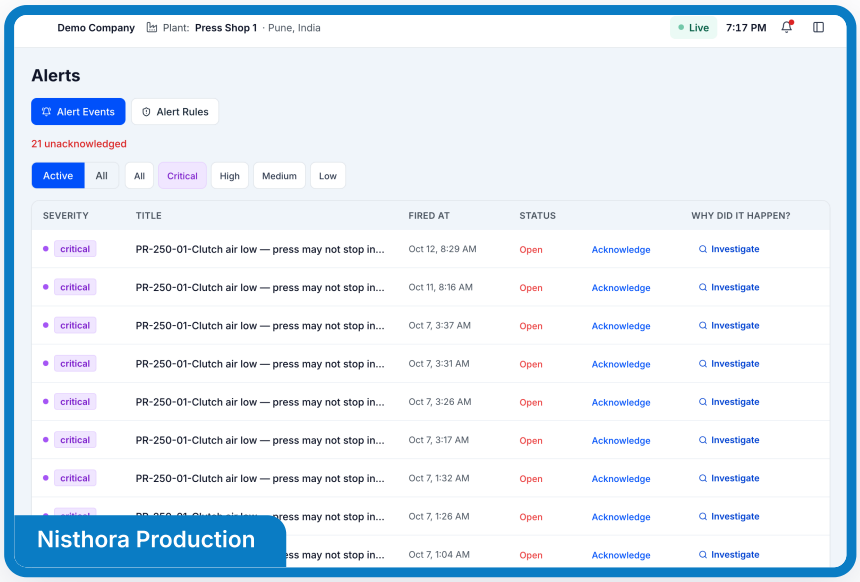
- Availability, performance and quality against your targets
- Today, this shift, and every past day
- Shop floor board and shift live view for supervisors



Alerts that do not get ignored

Set a limit on any reading. When it is crossed, Nisthora tells the right people on the channel they use, and keeps going until someone responds.

- In-app, email, SMS, mobile push and webhook
- Not acknowledged in 10 minutes? It goes up a level
- One tap opens a root cause investigation



Limit crossed
air pressure low

→

Alert sent
app, email, SMS, push

→

No answer in 10 min
goes to the next person up

→

Acknowledged
name and time logged

→

Investigate
cause found and fixed

Nisthora Insight

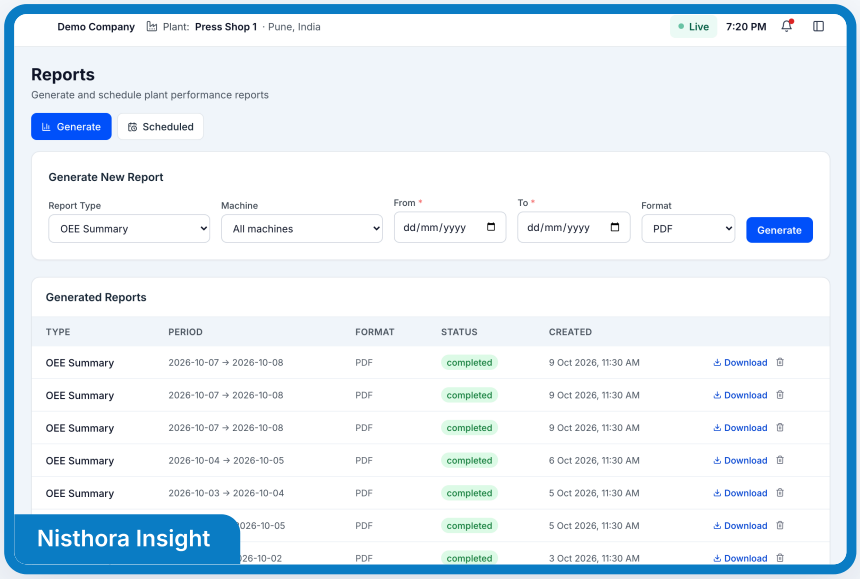
Energy

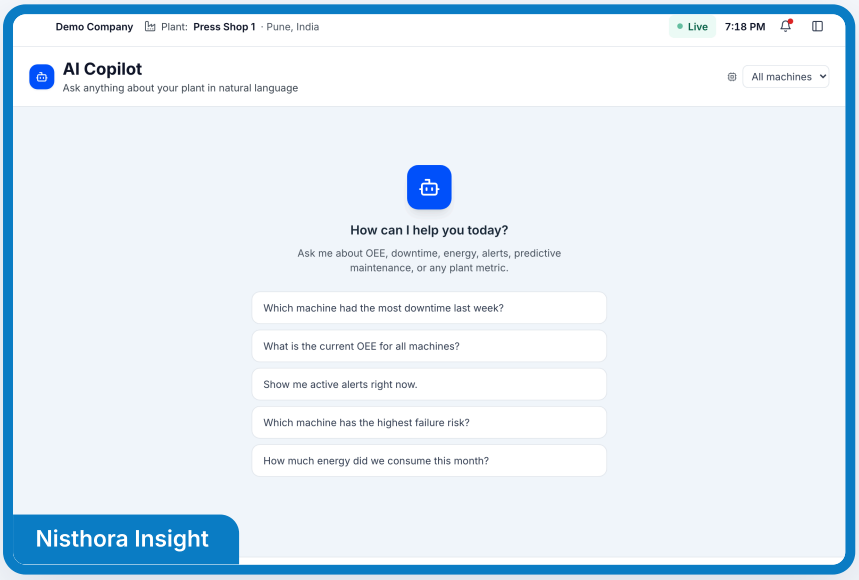
Power by line, machine, work order and machine state. See energy per part, power used while idle, and peak demand the way the power company bills it.



Digital reports

Replace hand-written daily reports. OEE summaries and plant reports as PDF, made on demand or on a schedule, and sent by email.



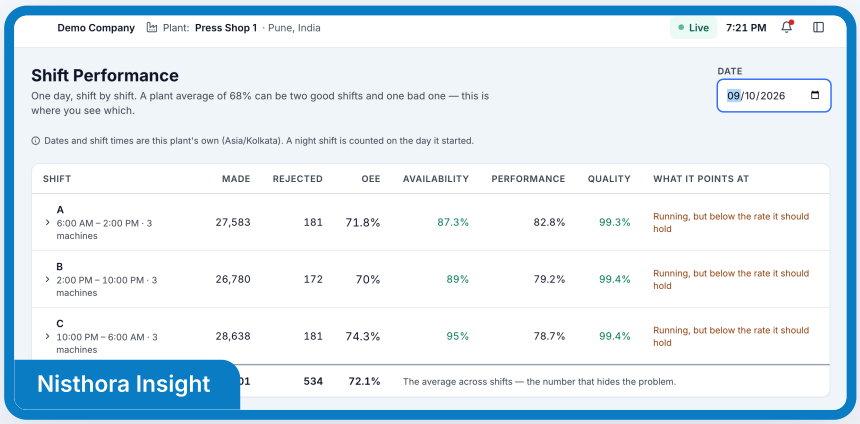


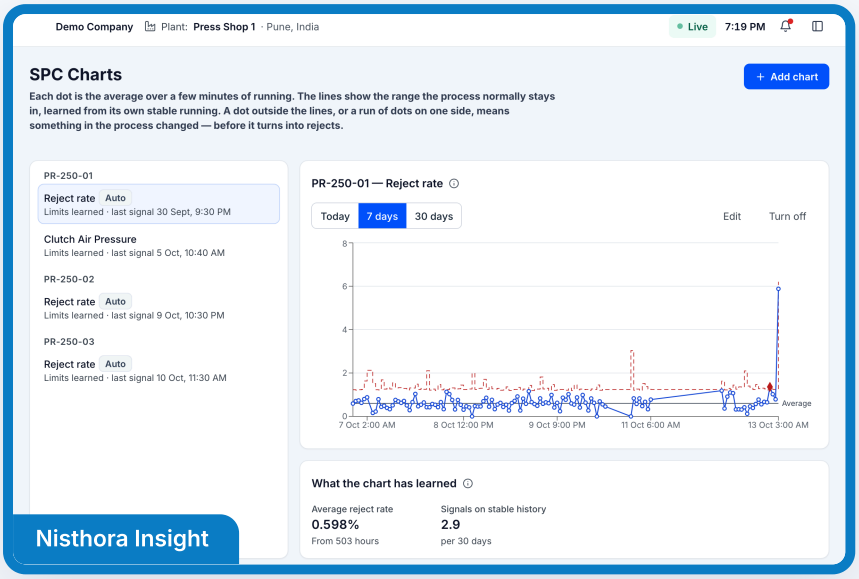
AI Copilot

Ask "Which machine lost the most time this week?" and get an answer from your own plant data. It sees only what you can see, and it cannot change anything.

Shift performance

One day, shift by shift. A plant average can hide one bad shift between two good ones. This shows which, and what it points at: stopping, running slowly, or making scrap.





SPC and golden batch

SPC (statistical process control) charts with limits learned from steady running, and the Western Electric rules. Each batch is compared, minute by minute, with your best past batches of the same product.

Downtime analysis

Every stop, its reason and its length. Pareto charts show the few causes that cost the most time, and MTBF (mean time between failures) shows how often each machine breaks down.

Root cause and fishbone

Start an investigation from a stop, an alarm or a bad batch. Fishbone diagram, five whys, countermeasures, and a check that the fix really worked.

ERP and open data

SAP, Oracle, Dynamics 365 or any REST API. Work orders come in, results go back. Webhooks, MQTT and a REST API for your own tools.

Numbers you can trust

Plant quality is weighted by units made, not a simple average of machines, and machine data counts only while a batch runs. If a PLC counter is reset mid-shift, production is still counted correctly.

Nisthora Health

Four checks, each learned from your own machines. Every check starts once it has enough of your plant's own data. Until then, the screen says "Learning" instead of showing a guess.

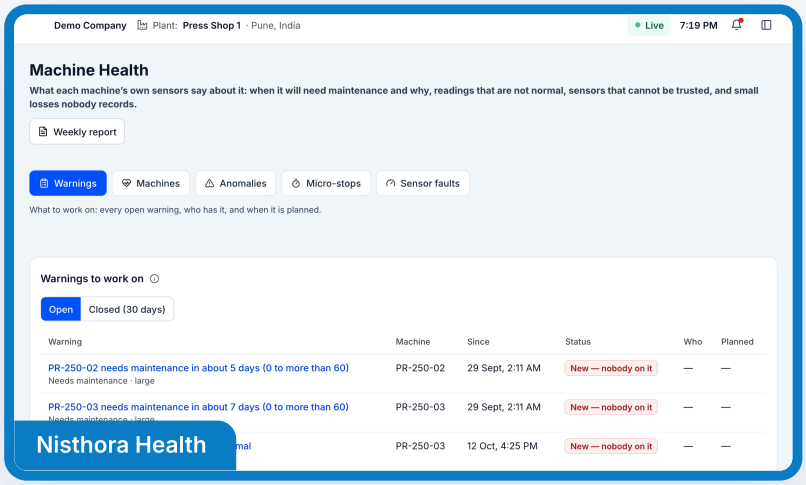
CHECK	WHAT IT ANSWERS	STARTS AFTER
Sensor health	Is this sensor telling the truth? Flags a sensor that is quiet, stuck on one value, out of range or sending bad signals.	**3 days**
Anomaly detection	Is a reading not normal for what the machine is doing right now, even when it is still inside its limits?	**60 days running**
Cycle-time drift	Is the machine slowly getting slower? Compares the last 7 days with the 30 before, and says how many pieces it cost.	**14 days**
Micro-stops	How much do the short stops nobody writes down add up to? Counted from the gaps between pieces.	**30 pieces**

Maintenance forecast

Every night, Nisthora looks for wear trends. It tells you which machine needs maintenance in the next 30 days, roughly how many days you have, and the reasons in plain words. You plan the stop before the breakdown plans it for you.

- **Within 7 days:** plan the stop now
- **Within 30 days:** plan it when it suits production
- **No sign of wear:** keep running

Learns from about 90 days of each machine running.



Careful about false alarms

An anomaly opens only when most of the last few minutes are out of line, so one odd value does not flood your phone. A reading is judged against what the other sensors say too: 140 A can be normal at 70 strokes a minute and a fault at 50.

Nisthora Platform Overview

One platform, from the machine to the boardroom

PRODUCTIVITY

- Live OEE and performance
- Downtime and stop reasons
- Shift performance
- Shop floor board
- Digital twin floor map
- Custom dashboards

PRODUCTION

- Work orders and batches
- Tap-only machine panel
- Line queue and late orders
- Serial numbers
- Counter reset handling

MACHINE HEALTH

- Sensor health
- Anomaly detection
- Cycle-time drift
- Micro-stops
- 30-day maintenance forecast

QUALITY

- SPC charts
- Golden batch
- Rejects by batch and shift
- Root cause and fishbone

TRACEABILITY

- Batch to machine and shift
- Operator and material lot
- Full batch history

ENERGY AND DATA

- Energy by line and state
- Peak demand
- Reports and AI copilot
- ERP, MQTT, REST, webhooks

Made for Your Industry

One product, set up for each plant through screens

- Automotive and auto parts
- Food and beverage
- Pharmaceuticals
- Tyres and rubber
- Textiles
- Plastics moulding
- Electronics assembly
- CNC and metal fabrication
- Dairy and ice cream
- Printing and packaging
- Cement and chemicals
- Steel and metal rolling

Get in Touch

info@prishora.com

nisthora.com

Watch Nisthora in under two minutes on the website.

Be one of our first plants

We are choosing a small number of first plants to work with closely. Book a demo and we will show you live data and talk through your machines, lines and shifts.

- ✓ Simple price per machine, per month
- ✓ No setup fee
- ✓ Start with one line
- ✓ Grow at your own pace
- ✓ No new machines needed
- ✓ Set up on screen

Scan to visit nisthora.com

1

Email us
Tell us about your machines, lines and shifts.

2

See a live demo
Real screens with live data, on a video call.

3

Start with one line
Connect one line first. Add more when you are ready.

Nisthora

Industry 4.0 for the machines you already have.

PRISHORA

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