

INDUSTRY SOLUTION

Plastics & Rubber Manufacturing

More output from every press and mill, fewer injuries and fire risks, and a gate that keeps trucks moving - from the plant's existing cameras, without PLC wiring.

Who it is for

- Injection, compression and blow-moulding plants
- Rubber mixing, extrusion and moulded-goods plants
- Tyre, hose, belting and auto-component suppliers

What you gain

- Idle and fault time per machine and shift - lost output found and recovered
- Fewer hand injuries at presses and mills, and the stoppages they cause
- Early warning of fire in granule, compound and finished-goods stores
- Faster truck turnaround at the dock

WHAT IT DOES

Machine time and gauges

Running, idle and fault time per press and line from indicator and andon lamps, with shift reports and an alert when a machine stops; hydraulic, steam and chiller gauges read with alarm ranges - no PLC wiring.

Danger zones while machines run

An alert with a snapshot when a person enters the zone of a press, mixing mill or calender while it is running - in addition to, never instead of, machine guards and emergency stops.

PPE for the job

Helmet and vest, with gloves at moulds, eye and ear protection at granulators and masks in compound areas, set per area - confirmed on the plant's own footage during the Proof of Concept.

Fire and smoke early warning

Flames and smoke spotted on camera in raw-material, compound and finished-goods stores - alongside, never instead of, certified fire detectors.

Forklifts, aisles and floors

Alerts when a person comes too close to a moving forklift, when a pallet truck or parked forklift blocks an aisle or fire exit, and when goods, spilled granules or oil are left on a walkway; moulds or dies removed out of hours.

Gate, dock and contract labour

Number-plate register with time on site and overstay alerts for transporters; face-recognition attendance for contract workers.

Where the cameras go

Area	What is watched	Licences
Press and moulding lines	Running, idle and fault time from stack lights; a person in the press zone while it runs; helmet, gloves and ear protection	Core, Machine and Gauge, PPE
Mixing mills and calenders	A person in the nip zone while the mill runs; masks in compound areas; smoke	Core, Machine and Gauge, PPE, Fire and Smoke
Granule, compound and finished-goods stores	Flames and smoke; forklift near misses; pallet trucks or forklifts blocking aisles and fire exits; spilled granules	Core, Fire and Smoke, Forklift and Warehouse Safety
Utilities: hydraulics, chillers, boilers	Pressure and temperature gauges with alarm ranges; equipment removed out of hours	Core, Machine and Gauge
Dock and dispatch	Forklift near misses; pallet trucks or parked forklifts blocking the dock	Core, Forklift and Warehouse Safety
Main gate and time office	Vehicle register with time on site and overstay alerts; attendance for staff and contract workers	Core, ANPR, Face Recognition, Attendance

What you see every day

- Shift report: running, idle and fault time per machine, with the longest stoppages
- Alerts by area and shift - danger-zone entries, PPE lapses, near misses - each with its snapshot
- Daily attendance for staff and contract workers, with late arrivals and early exits
- Gate register: every truck with its time on site; overstays highlighted
- A live machine board and an alerts-first video wall in the control room

What we need on site

- Stack lights visible to a camera, about 10 pixels per lamp or more; gauges framed with their scale
- For PPE, people at least about 120 pixels tall in the picture
- A lane camera framed on the number plate at the gate; entrance cameras near eye level for face recognition
- Store cameras covering racks and aisles; danger-zone cameras with a clear view of the machine's zone
- A server sized by us for the cameras and analytics chosen, confirmed during the Proof of Concept

Licences · one-time or by subscription

Core licence

Machine and Gauge Monitoring

PPE Compliance

Fire and Smoke Early Warning

Forklift and Warehouse Safety

ANPR (gate lane cameras)

Attendance Management

Forklift safety is commissioned after a validation on the plant's own cameras. On request, as custom analytics: press-stroke and parts counting and visual defect inspection. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Let us survey your site

A Proof of Concept on up to four cameras for 30 days, on your own footage.

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