

Production Management Application

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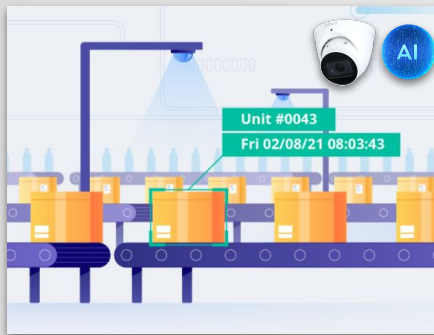
The FirstStep.ai Production Management solution uses **high-resolution RGB cameras** and **Machine Learning (AI)** deployed on **EDGE hardware** to **inspect** industrial products, detect **defects** and detect equipment **behaviour anomalies** in **real-time**.

What can traditional sensors do?



Traditional sensors usually consist of individual proximity/beam sensors aligned with precision to function correctly, relying on clear gaps between products as they pass on a conveyor.

What does FirstStep.ai Production Management offer?



- ✓ Real-time processing
- ✓ Visual Product Inspection
- ✓ Event & Alarm Triggers
- ✓ Captures & Stores HD images
- ✓ Historical Defect Lookup
- ✓ Robust to environmental changes
- ✓ Easy to add new products

AI Predictive Maintenance

AI behaviour modelling dynamically predicts the state of your equipment, from bearing vibrations to temperature.

Our AI application monitors 100's of data points in real-time, and will raise alarms if anomalies are detected, or if the device is operating outside of predicted safe range of operation. This gives maintenance teams fair warning to avoid highly expensive failures, production stops and catastrophic events that can arise from failure of safety critical equipment.

AI models observe historical and current data to make intelligent predictions about how each piece of equipment is expected to perform.

