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Impact Unbound

UST Sentry - Manufacturing
Engineering a better future
through the power of technology



Introducing UST Sentry

UST Sentry Vision AI



Productivity &
Efficiency



Inventory
Tracking



Waste &
Pilferage



Safety &
Compliance



Yield &
Adherence



Process
Adherence



Production
Quality



In-Process
Quality



Smart
Picking

UST Sentry Vision AI is a best-in-class SaaS based vision AI solution, on SAP Business Technology Platform, that can be applied to solve industrial challenges

By connecting Vision AI with SAP, we are enabling our customers to embrace the Industry 4.0 movement and make their factories smarter!



Sample use cases

Automated Production Yield Reporting with UST Sentry and SAP



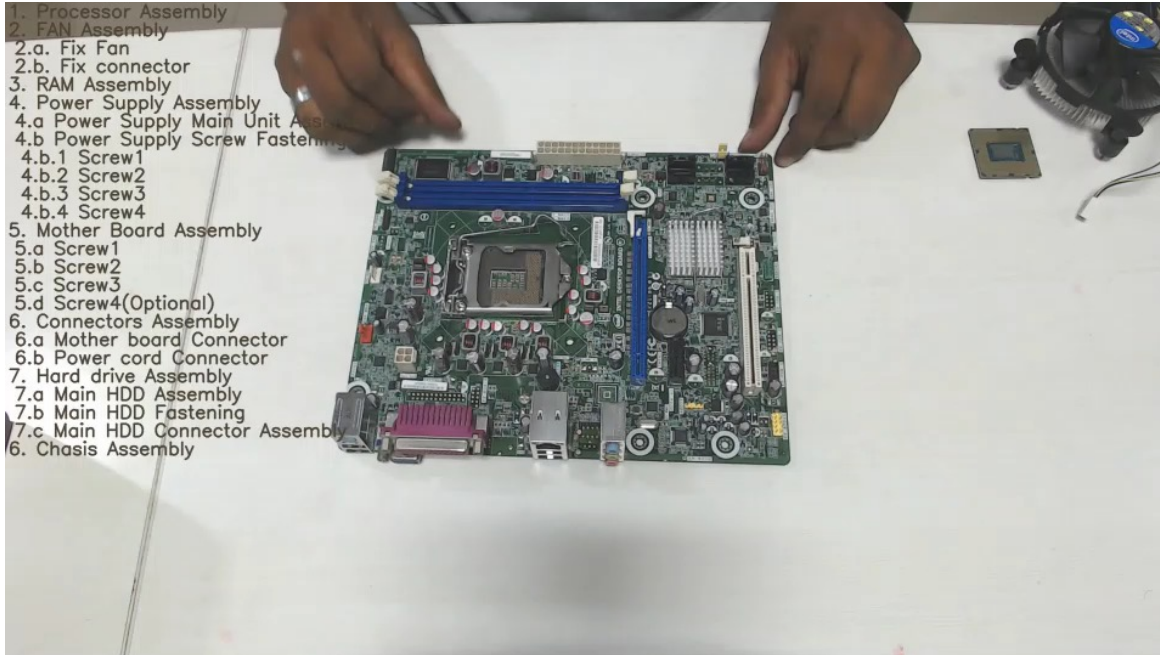
Vision AI is used to count the yield, capture the quality and communicate to SAP to complete the production confirmation.

Vision AI will be used to track the production cell and capture the input batch and output batch, enabling tracking and tracing of the product in the production floor.

Benefits:

- Faster and accurate yield reporting, in real-time
- Reduction in labor to count and account for production yield
- Higher accuracy, better quality

SOP adherence in SAP with UST Sentry



Vision AI is used to compare operator activity with Standard operating instructions for Production or Maintenance operations.

Provides analytics on adherence and root cause.

Benefits:

- Provide real-time deviation feedback
- Accelerate training and onboarding
- Improve quality

Production schedule compliance with UST Sentry and SAP



Vision AI is used to measure adherence to production schedule.

Vision AI will be used to identify the product and order, and compare planned start and run rates, with observed actuals.

Analytics is used to provide adherence reporting, real time feedback and root causes.

Benefits:

- Ability to react fast when schedules are not followed or when there is a production delay
- Ability to review adherence and root causes for deviation
- Improved yield and adherence to customer commitment dates

Smart picking in SAP with UST Sentry

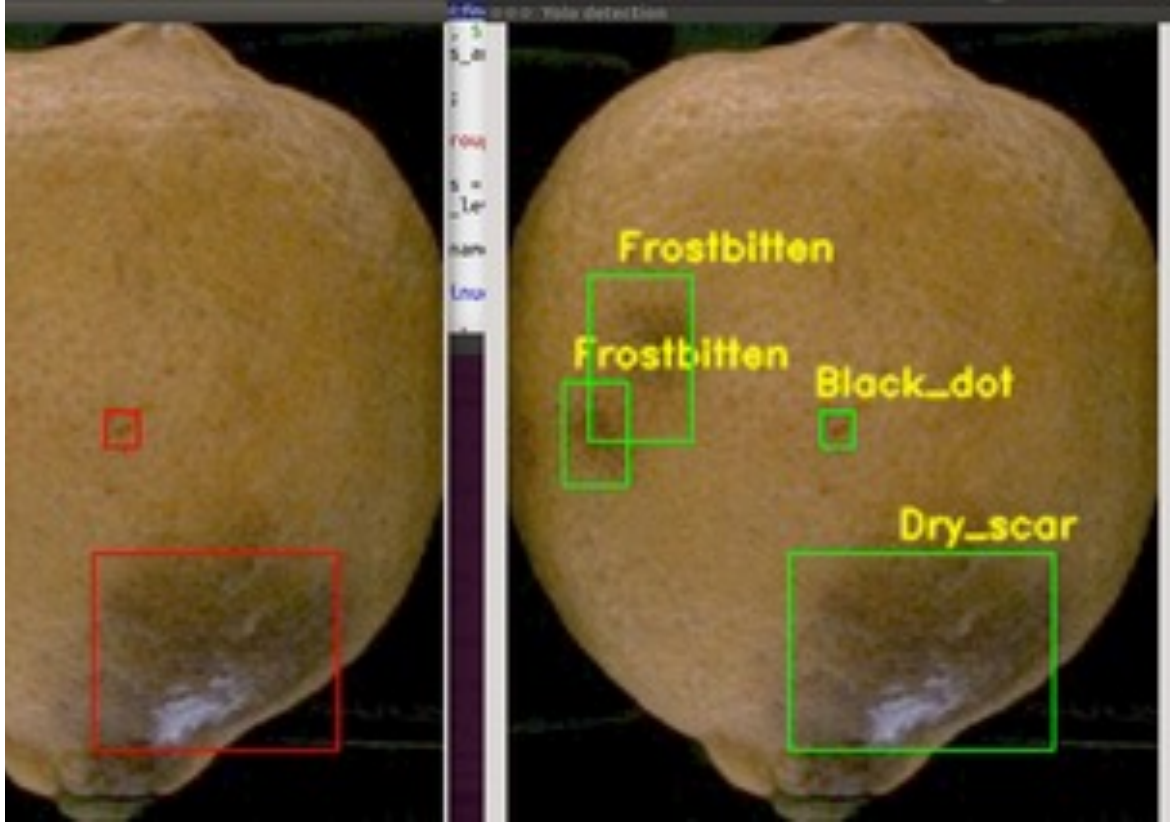


Vision AI is used to identify the part and send it back to SAP for confirmation of picking.

Benefits:

- AI-based identification of parts where no bar code is available to scan
- Enables fast and quick pick confirmation using inexperienced workforce
- Reduction in picking errors, faster delivery processing

Quality reporting in SAP with UST Sentry



Vision AI can be used to identify quality issues in products.

A quality notification in SAP can be updated with the type of defect and quantity of defective products.

Benefits:

- Real-time accurate reporting of defects and quantity, eliminating manual intervention
- Reduces reliance on trained eyes to detect the defects, providing flexibility to the operations team to use a low-skilled workforce

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Thank you