



Use of machine data strengthens OEM machine builders and users in their market

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Speakers

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Ranpak is the leading provider of sustainable packaging and end of line automation solutions



Protective solutions

- Convert paper to blocking, cushioning or wrapping material
- Protect our customers' products from external shocks or temperature variations during the shipping and handling process

Automated solutions

- Design and build highly automated, integrated box-sizing and filling systems
- Reduce Total Cost of Ownership

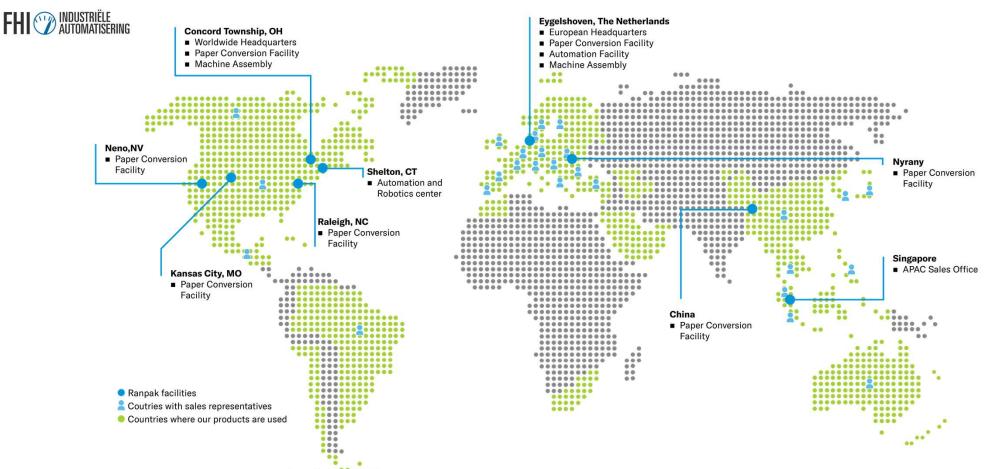












Global footprint to serve customers around the globe



Ranpak Deliver a Better World



Our challenges

- 400+ automation machines in the market
- Limited to no visibility on machine performance in the field
- High amount of ad-hoc problem solving
- Aftersales decision making and or prioritization of customers mainly based on perception / emotions









Our status quo

- Latest generation of height reduction lid applicators in the market with Beckhoff Architecture
- Majority of machines connected with HMS Ewon IoT gateways for remote connections.







Machinebouw



Our goal

- Improve customer satisfaction
 - Improve machine utilization, training and maintenance based on data
 - Pro-active behavior and communication based on daily insights
 - Improve quality
- Increased efficiency based on data driven decision
 - Set priorities based on positive or negative trends
 - Pro-active behavior towards customers based on trends prevent costly escalations
 - Identify quality issues set goals and prevent escalations
- And many more









Our solution approach

- Found with Duranmatic a partner which supported us in quick implementation for data-extraction building up on our existing architecture
- Upgraded Ewon gateway to enable data extraction

12 december 2023, Congrescentrum 1931

- Used Exakom Pluto software to store, analyze and visualize the data
- Easy integration with existing API's
- Easy report design with limited coding, functionality for mass deployment
- Software being able to run on a dedicated server had a perfect fit with our cyber security policy







Pluto web server application











Production insights

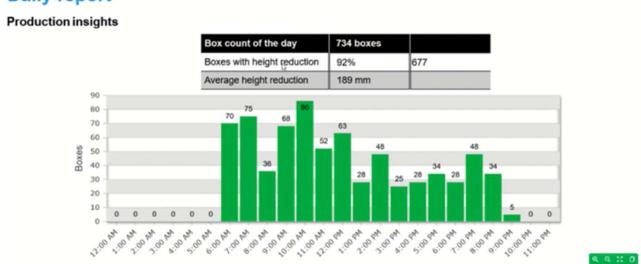
Customer benefit

 Report date
 Jul 12, 2023
 Total box count

 Date of installation
 Jun 12, 2023 - 02:06
 275,438

 Machine ID
 Festool_C2144V002_DE

Daily report







Machinebouw

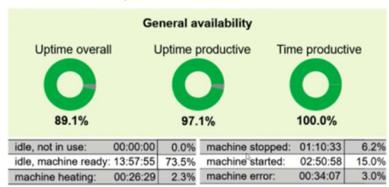


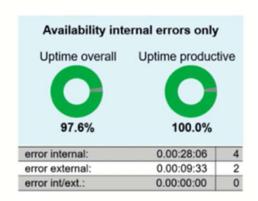


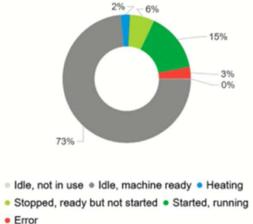
Machine status

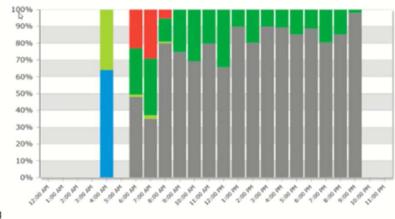
Customer benefit

Machine status analysis











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Alarms

Customer benefit

Ranpak insight











The benefits

Customer

- Customers value the data insights to optimize operations: Better understanding of their OEE
- Data is the basis for improvements
- Feedback from the market is that a significant part of the customer will buy a yearly subscription to receive the reports

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- Set priorities based on facts (data) not on feelings
 - Field service team planning
 - Quality improvements
- Prevent boiling point escalations











Questions?

When out of time please visit Duranmatic at the marketplace





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