



CONVEYOR BELTS, MOTORS AND PRESSES

RISKS

- ◇ **Downtime, asset failure, product production, safety, brand reputation, customer and supplier relationships inefficiencies.**

Conveyor belts, motors, and presses are critical assets which are essential in ensuring the smooth, efficient, and safe operation of production lines and productivity of the manufacturing cycle.

Conveyor belts: A key part of material handling systems, and their failure can disrupt the entire production flow. They are subject to wear, misalignment, and damage from debris, which can lead to sudden breakdowns and also risk employee safety.

Motors: Thermal and acoustic imaging can identify anomalies in temperature or vibration which indicate potential malfunction and/or inefficiency. Corrective action can be taken before failure occurs, avoiding the cost and disruption of unscheduled downtime.

Presses: Face high mechanical loads and are crucial to production efficiency. Malfunction of presses can affect both production schedules and product quality causing financial and reputational impact.

FLIR ADVANTAGE

Consistent, comparable condition monitoring is vital. Ability to monitor these components at scale particularly important in 24/7 operations.

Conveyor belts: Monitoring parameters of vibration, and temperature helps detect issues early reducing downtime. Regular consistent and comparable monitoring helps identify signs of wear – proactive maintenance can then extend system life span and also mitigate risks of accident.

Motors: Essential for powering machinery throughout the manufacturing process, and any failure can halt production entirely. Failure can be the result of overheating, misalignment, electrical issues or bearing wear.

Presses: By monitoring the press's performance such as energy usage, operating temperatures, pressure fluctuations), adjustments can be made to optimize throughput and efficiency and ensure safety.

FLIR SOLUTIONS

Contact us for more information on how condition monitoring can improve your business.

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