

# Starting a Predictive Maintenance Program in Food Production

By Thomas Moore

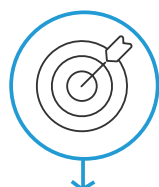
Predictive maintenance goes beyond traditional reactive and preventive maintenance practices. Instead of waiting for something to break down or just checking machines on a regular maintenance schedule, predictive maintenance uses data from variety of tools to predict equipment failures before they happen.

## How to Get Started



### Assess Current Maintenance Practices

Review existing maintenance activities, focusing on their effectiveness and areas where predictive insights could reduce failures and inefficiencies.



### Set Clear Objectives

Establish goals specifically for predictive maintenance, such as minimizing unplanned downtime, predicting and preventing equipment failures, and optimizing maintenance costs. Ensure these goals align with overall business objectives.



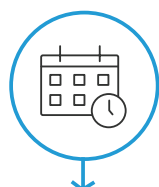
### Gather and Analyze Equipment Data

Collect detailed data on equipment performance, including historical maintenance records and operational data. This information will serve as the foundation for developing predictive models.



### Implement Condition-Based Monitoring

Deploy appropriate monitoring technologies (like ultrasonic and thermal infrared scanning) that align with your equipment's specific needs. Use these tools to continuously monitor equipment health and predict potential failures.



### Develop a Predictive Maintenance Schedule

Utilize data and insights obtained from condition-based monitoring to schedule maintenance activities proactively, before failures are likely to occur.



### Train Your Team

Provide specialized training for both maintenance and production teams on predictive maintenance techniques and the interpretation of data insights. This ensures they can effectively respond to predictive alerts and maintain equipment reliability.



### Monitor, Evaluate, and Adjust

Regularly assess the effectiveness of the predictive maintenance program, comparing actual outcomes against your objectives. Adjust strategies and techniques as needed to continuously improve maintenance efficiency and equipment performance.

## Maximize Efficiency and Reliability Through Predictive Maintenance

Implementing predictive maintenance practices ensures continuous, high-quality production while cultivating a maintenance culture focused on reliability, cost savings, and operational excellence.



Reduce downtime costs



Decrease maintenance expenses



Extend equipment life



Enhance energy efficiency



Improve order fulfillment

Let's Talk Predictive Maintenance!

START THE CONVERSATION WITH TBM EXPERTS TODAY

Speed wins every time.

TBM specializes in operations and supply chain consulting for manufacturers and distributors. We accelerate operational performance to make you more agile and help you accelerate business performance 3–5x faster than your peers.