



S&amp;I

 SYSTEMS &  
INTEGRATION

## PREDICTIVE MAINTENANCE FOR PACKAGING MACHINERY



### Eliminate machine failure worries and downtime by focusing on machine maintenance

ZPI's Maintain & Predict is a software-based solution incorporating total productive maintenance (TPM) with real-time machine monitoring and performance feedback to prevent major machine failures.

Maintain & Predict provides functional profiles for each machine on your line. These profiles will provide baseline operating standards for each machine. When a machine's performance varies from the standard, real-time alerts notify users and can help prevent many potential issues that could lead to decreased productivity and even downtime.

This solution provides a wide range of reporting and alerts that can be customized to individual needs. Proactive machine maintenance schedules, useful life schedules for parts and components, and consumption of spare parts are integrated into the Maintain & Predict system.

ZPI's solutions are hardware independent and can be integrated into virtually any production line. This allows installation and commissioning to be completed with zero production line downtime and can quickly start increasing productivity on your line.

#### FEATURES AND BENEFITS

- Return on investment (ROI) measured in months or even weeks.
- Intuitive user interface supports unlimited reporting and analytic tools providing preventative and corrective maintenance data.
- Implementations are turnkey and completed by ZPI experts, not third party contractors.
- Software based solution with no proprietary hardware required.
- Seamlessly integrates with existing networks and machine controls.
- Maintenance data is captured and stored in real time for use in on-demand reporting or analyses.



MAINTAIN & PREDICT™

## PACKAGED GOODS PREDICTIVE MAINTENANCE



### DIGITIZING YOUR MAINTENANCE LOG

*By digitizing your maintenance log, Maintain & Predict eliminates confusion surrounding when maintenance occurs and allows you to prevent issues before they happen.*



### DATA AT YOUR FINGERTIPS

*Maintain & Predict provides real time data that allows you to increase productivity and effectively maintain machinery on your line.*



### ENTERPRISE REPORTING

*Unlimited access, reporting and global support.*

## IMPROVE PRODUCTIVITY

- The PMMI 2021 Predictive Maintenance White Paper noted that the two most common causes of downtime are general wear and tear and operator error. ZPI's Maintain & Predict provides you with the data to make decisions that help eliminate these sources of downtime.
- ZPI understands that preventing downtime is a key focus for many customers. When implemented on your line, Maintain & Predict is your technology partner helping improve productivity one step at a time.

## PREVENTIVE & CORRECTIVE MAINTENANCE

- Maintain & Predict offers users various reports and data about your machines to ensure your line runs efficiently and effectively.
- Alerts can be scheduled for machine maintenance, useful life schedules for parts and components, consumption of spare parts, and much more.
- With data on baseline operating standards for each machine on your line, Maintain & Predict can provide preventative maintenance alerts but also corrective maintenance notifications that ensure every machine is running at maximum efficiency.

## NO DOWNTIME INSTALLATION

- Maintain & Predict's software-based system can be installed and commissioned with zero production line downtime.
- Many alternative require additional hardware or PLC programming changes which need hours or even days of production downtime for installation and commissioning. ZPI's Maintain & Predict requires no proprietary hardware or PLC programming changes required.

## WORLD CLASS SUPPORT

- Our software development and customer support teams are staffed by highly trained personnel.
- Our in house experts are involved in all software development, project programming, testing, system installations and customer support.
- Every support request is assigned to a ZPI software solution expert who maintains ownership of the request from start to finish.