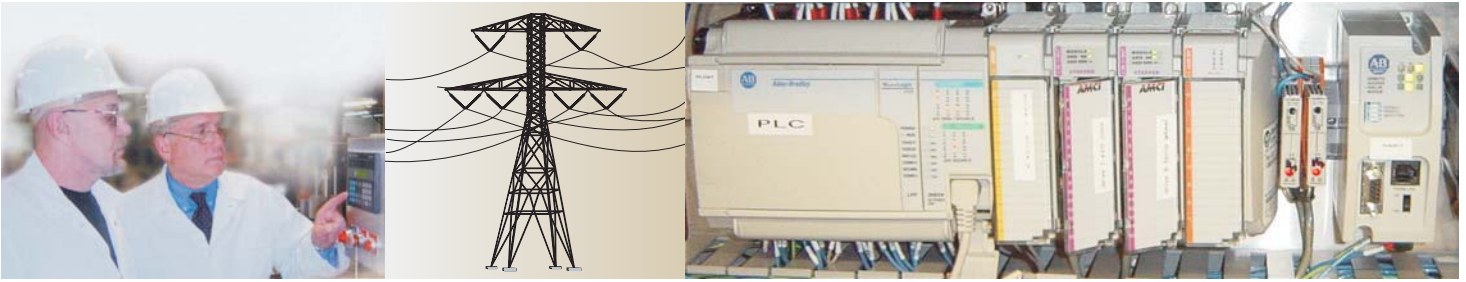


# Remote Monitoring and Diagnostic System

PATENT PENDING



PPI's Remote Monitoring and Diagnostic System keeps high speed interleaving and stacking applications running at peak performance. This comprehensive process analyzing technology provides a means to automate machine setup, diagnostics and preventive maintenance. Available options include the capability for monitoring production statistics, remote diagnostics and software upgrades.

## Available Packages

### TIER 1

The *TIER 1* package includes Setup And Faults.

### TIER 2

The *Tier 2* package includes the features of the *Tier 1* package **plus** the Preventative Maintenance Scheduler and the Production Statistics and Diagnostics. A touch screen operator interface is included in this package to aid in on-site data collection and input.

### TIER 3

The *Tier 1* and *Tier 2* packages are included in the *Tier 3* package **plus** Remote Diagnostics and Upgrades.

  
*Packaging Progressions, Inc.*

### SETUP

Provides the operator with a simple keypad entry to download multiple production parameters (including paper cut length, stack count, and belt speeds). Various product settings can be stored in recipes identified by product name or code and downloaded with a single keypad entry.

### FAULTS

Alarm lights, warning lights and a horn are used to indicate the following fault conditions: Low Paper/Film, Paper/Film Jam, Drive Fault, and Stacker Jam.

### PREVENTIVE MAINTENANCE SCHEDULE

Equipment run time is recorded and, at appropriate timed intervals, the operator interface will indicate required maintenance. The indication will continue until a maintenance security code is entered to acknowledge that the maintenance has been performed.

### PRODUCTION STATISTICS AND DIAGNOSTICS

Portion count, stack count totals, and throughput averages are recorded and may be printed. These figures can be analyzed to indicate trends in production output. Various faults and process conditions are also monitored and recorded. These statistics can be used to predict potential required maintenance.

### REMOTE DIAGNOSTICS AND UPGRADES

Using an industrial modem and a customer supplied telephone line, plant personnel can be in touch with the factory service personnel who will provide on-line monitoring, troubleshooting, software customization, and upgrades of your system. Also available is the Remote Access Paging System which can automatically alert PPI service or your plant service personnel of the status, faults, or errors in the PLC processor. This feature can save costly downtime by minimizing repair response time.

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