

ProcessGuard Option

Integrated thermal monitoring for precision and traceability!

A cutting-edge solution designed to elevate manufacturing reliability and quality assurance. ProcessGuard provides integrated redundant process monitoring alongside real-time Statistical Process Control (SPC), enabling continuous oversight and verification of critical production parameters. This dual-layered approach ensures that any deviations are detected instantly, allowing for proactive adjustments and minimizing downtime.

This integrated feature tracks baseline temperatures, sets upper and lower alarm thresholds, and displays the data in a detailed thermal profile. It also calculates product Cpk values, providing real-time insights into process capability and consistency.

Fully integrated within the machine's software, ProcessGuard supports product traceability and is compatible with MES applications, ensuring seamless integration into smart manufacturing environments. Its robust data collection and visualization capabilities, ProcessGuard empowers manufacturers to maintain tighter control over thermal processes and improve overall product quality. With ProcessGuard, manufacturers gain enhanced visibility, improved compliance, and greater confidence in their process integrity.

Key Features:

Redundant Process Monitoring

- Independent watchdog for zone temperatures and conveyor speeds

Real-time Data

- Tracks virtual peak temps and TAL for every board

SPC and Process Insights

- Auto generated control charts for early drift detection

Reduce Profiling Frequency

- Inline monitoring reduces thermal profiling, saving time and resources

Consistent Quality, Lower Costs

- Prevents defects early, boosting yield and reducing rework

Compatible with any data logger

- For baseline profile any data logger can be used



