

# One Control System. Six Ways to Cut Costs.



## 1 Up to 50% Reduction in Upfront Costs

The UAK1000 is a completely customizable, plug-and-play central automation system that enables connecting, monitoring, and optimizing of manufacturing processes and equipment. It combines standardized software and hardware, including IOT data retrieval, state-of-the-art PLC and PC power, and preconfigured software into one affordable system with minimal engineering and without costly schematics.

## 2 15% Reduction in Insurance Premiums and Reduced Risk for Lawsuits and Fines

The UAK 1000 reduces the cost of workman's compensation and insurance premiums and lowers the risk of lawsuits and fines by integrating OSHA compliance and Sil 3 E-stop circuits into the product design. The design allows safe, easy access to controls for troubleshooting and provides remote shutdown capability to protect the safety of line operators in an emergency.

## 3 20% Reduction in Payroll and Benefits

Centralized control of production processes means fewer employees are required to achieve optimal line efficiency and performance. Automation of repetitive tasks also means fewer skills are required by employees and one employee can run multiple lines. Cross training employees is simple with provided tutorials. The result is fewer employees and lower payroll and benefits costs.

## 4 20% Bottom Line Increase per System

Overall equipment effectiveness (OEE) measures areas of equipment performance that can be improved for greater efficiency and higher production quality. Data warns when products drift out of spec, so equipment problems can be quickly corrected to minimize downtime and waste. Downtime for equipment maintenance and repair is also planned, so labor needs are managed more effectively.

## 5 20% Increase in Good Product, 15% Reduction in Scrap

The simplified coding of the UAK1000 enables fast setup and easily directs an operator from a device to its corresponding active line of code within the controls software. This streamlines the process of locating, connecting, and troubleshooting any I/O. As a result, production lines are able to run faster with greater uptime and produce better product quality with less scrap.

## 6 20% Increase in Production Line Efficiency

Data gathered by the UAK1000 can identify the most efficient line to run specific products and optimize overall line efficiency. This efficiency includes uptime, throughput, product quality, material use, scrap reduction, and equipment performance as well as a reduction in the number of personnel required to manage the production line.