

# Customized Controller Products

Temperature and process control instrumentation



## Introducing West Control Solutions

Focused on providing valued temperature and process control expertise, global presence and support

West Control Solutions (WCS), a Fortive operating company, is home to PMA, West Instruments and CAL Controls. This leading group combined their resources and expertise as a single organization to deliver innovative, cost-effective, and high-quality products that today's automation marketplace demands.

From simple, entry-level devices to highly sophisticated, functionally-rich solutions, our comprehensive product portfolio includes single and multi-loop controllers, limit devices, indicators, SSRs, power controllers and transmitters along with recorders and tools for data acquisition.

WCS pride ourselves on being a dedicated global team of temperature and process control experts, who can provide in-depth application knowledge, and are always there to support our customers. As a result, our products are repeatedly used in control applications such as plastics machinery, ovens, furnaces, laboratory and test equipment, packaging machinery and food processing and many more.



## Custom design control solutions

Utilizing these strengths we offer customer specific products for volume OEM applications, providing support to deliver an unique optimized end product and benefiting from:

- **Reduced overall cost** by integrating functionality, using a common architecture and lean manufacturing processes
- **Minimized risk** through process control expertise, agile product development and product sustaining planning

Control solutions from concept to delivery and beyond, allowing OEMs to focus their efforts on the core machine design.



Define YOUR product requirement using the custom platform:

- Single or multi loop process control, alarms, limit function...
- I/O requirements (type, accuracy, isolation, ...)
- Non-temperature control components (flap/motor control, fan control...)
- Functionality and features (sequencing, data logging, maths etc)
- Communication capabilities (fieldbus, smart)
- HMI / User Interface

**KS98-2**  
Color Touch Screen  
High I/O modularity  
Wide fieldbus support



**MAXVU**  
High visibility  
Simplicity



**MAXVU rail**  
OLED display  
Easy to set up



**Pro-EC44**  
USB  
Datalogging

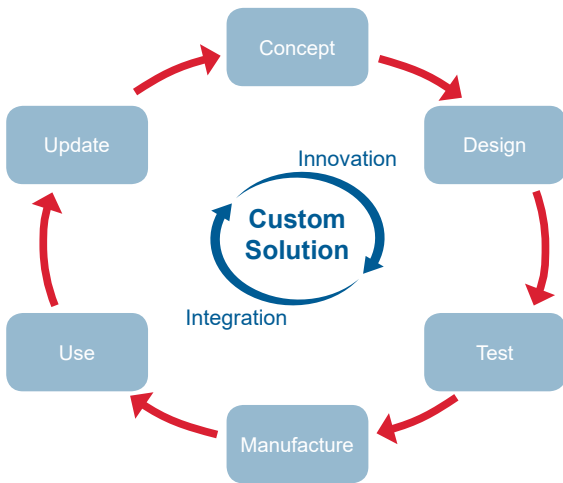


**KS Vario**  
High density loops  
Installer friendly



## An ideal partner for managing the lifecycle of your control product

Driving innovation and integration through supporting development and manufacturing



**Product concept** – creating ideas to define the best solution

**Design and develop** – agile development process for high efficiency and risk reduction

**Validate and release** – in-depth product testing and beta units

**Manufacture** – lean production processes

**Use and maintain** – design for best user experience and serviceability

**Optimize and update** – evolution upgrades to latest technologies for innovation

### A platform for the needs of your customers now... and in the future

WCS has developed the product platform from the ground-up with the aim of faster design and more reliable control.

Hardware and software elements are combined to build a precise solution for the application, ensuring a lean cost effective design. Mechanics are shaped to fit the machine, ranging from a single open PCBA to an enclosed unit with multiple PCBAs and support for plug-in expansion options.

A spectrum of user interface solutions are available from basic numerical to color touch graphic.



### Developing the solution - concept to end product

The highly experienced WCS team with application and process control design knowledge provide full project support.



**Initial project discovery meetings** to define requirements



**Agile development process** to reduce risks and aid faster project completion



**User experience (Ux) workshops** to develop optimized machine operation



**Modular prototyping system** for earliest validation



**Design standards** to meet CE, UL and others



**Support parallel development of the OEM machine** with prototypes and beta units

# Product Overview

## Manufacturing excellence

Lean production processes are adopted within the business and a team focus on continuous improvement to support high levels of on time delivery and excellent quality.

- PCB build, product assembly & test
- 100% products tested
- Extensive Fortive group vendor network
- Component lifecycle tracking
- Forecast / demand planning
- ISO9001/14001 and OHSAS18001



## Support and sustaining

The platform has ongoing support to ensure future supply and continued evolution of the OEM custom solution

- Research for innovation including smart technologies
- Component obsolescence management programs
- Ongoing compliance by updates to meet changing standards, CE, UL, etc

## A cost efficient customized control solution at the heart of your machine

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