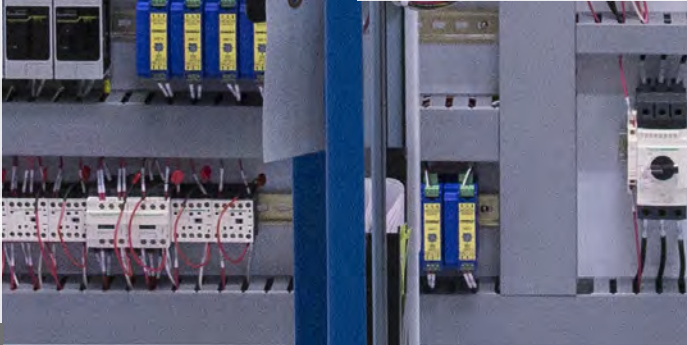
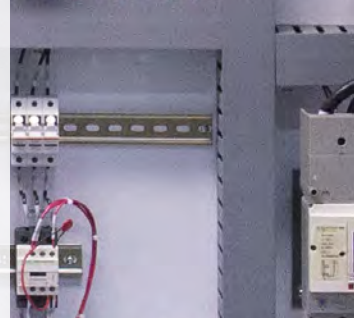
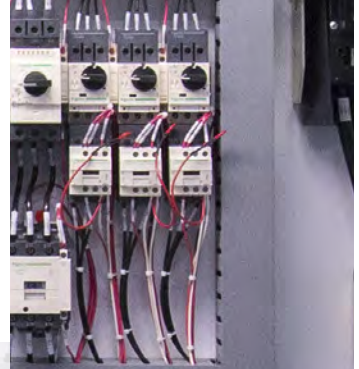


# CompuCore™

Solutions that Boost



Boost your bottom line and gain a competitive edge while taking control of your equipment with the CompuCore™ controls software.

This swift upgrade provides a cost-effective option for automating your manual system with the latest technology. In turn, these newly enhanced controls reduce the potential for human error, and maximize uptime allowing you to achieve greater efficiencies.

### CompuCore™ Controls Software



10.4" display

The integration of these compact, intuitive controls with your heat-treating system helps you gain comprehensive control of all furnace functions, boost efficiencies and achieve repeatable throughput and results.

With five main screens, CompuCore encourages multi-tasking by allowing operators to monitor and control operations – including viewing and editing an entire recipe – while it monitors and controls vacuum levels and temperature.

Increase your capabilities today with the CompuCore upgrade, a streamlined solution for maximizing your equipment's potential.

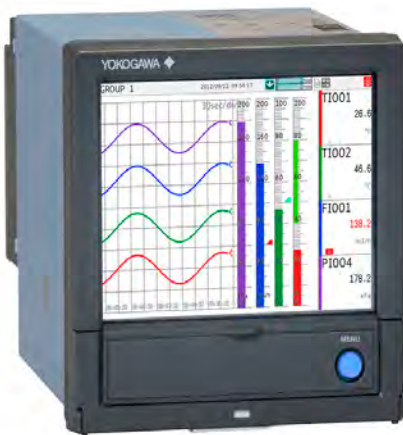
### Benefits:

- Capable of meeting applicable AMS 2750 requirements
- Gain greater control over temperature uniformity with DigiTrim® and DigiPID™ heat zone control (five temperature ranges each)
- Capable of being installed on most vacuum heat-treating systems
- Create, edit, store and execute process recipes with ease via a menu-driven screen that shows the entire recipe
- Create handwritten notes on the recorder touch screen to verify and sign off on chart data
- View real-time and historical trending, as well as build and analyze historical data with digital video data capture
- Utilize preventative maintenance, diagnostics and historical data for accurate furnace troubleshooting
- Access the control PC for remote viewing via a standard web browser
- Use control and work thermocouples for guaranteed soak processes

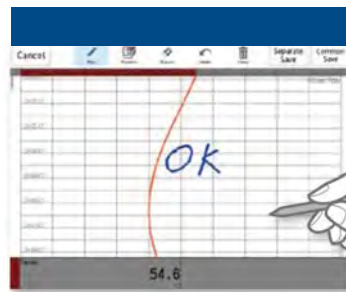
For more information, contact Steve Hartenberger at [Steve.Hartenberger@IpsenUSA.com](mailto:Steve.Hartenberger@IpsenUSA.com) or +1 815-332-2506



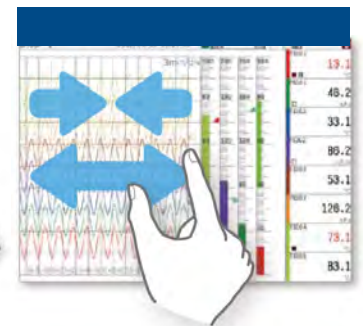
The Yokogawa GX10 digital video data recorder provides a highly integrated input/output and recording system and an immersive touch screen that is engineered for ease of use.



4.5" display



Immediately clear areas of concern with a handwritten message.



Compress the time axis by simply pinching apart and together to zoom.

## Features:

- Allen Bradley Compact Logix PLC with slot racks, power supplies and I/O modules
- Yokogawa GX10 digital video data recorder
- Customized HMI software
- Panel-mounted industrial PC with 10.4" touch screen computer
- Recipe development (20 segments standard per recipe), recipe storage (200 recipes) and in-process recipe editing
- Eurotherm power control units
- Communication via Ethernet switch





## Our Story

Backed by nearly 70 years of experience, it is our mission to strengthen heat treatment through expert-driven solutions. We are committed to delivering proven technology for a range of applications that enable you to transform space exploration, improve titanium medical implants and develop more efficient cars and jet engines.

## Innovation

Harold Ipsen founded Ipsen in 1948 with a vision of creating products and technologies that continuously push the boundaries of innovation to create a future of thermal processing excellence. His commitment to advancing technology is the inspiration behind our vision for the future; a future where we continue to strengthen and accelerate innovations in almost every industry. Whether it is our versatile heat treatment systems or advanced process technology, we aspire to provide cutting-edge solutions that continuously improve and refine your operations.

## Technology

At the core of our solutions are atmosphere and vacuum heat-treating systems and supervisory controls systems, which are used in many mission-critical applications. This advanced equipment is developed for Aerospace, Automotive, Energy, Medical, Tool & Die and various industries across the globe. Leading our industry with more than 10,000 systems installed worldwide, we have the experience necessary to provide optimum technology that allows you to achieve maximum flexibility and meet strict industry demands. We offer global modular platforms, as well as custom designs for specialized processes and requirements.

## Services

We also provide comprehensive service and support every step of the way, including assistance with developing your process, factory layout planning and integration with current production processes and factory operating systems. You can also count on our responsive Ipsen Customer Service (ICS) Team to help keep your equipment running at peak performance and minimize costly downtime through upgrades, retrofits, parts, maintenance, service and training.

With an extensive network of global locations and partnerships in America, Europe and Asia, along with representation in 34 countries, we continue to provide expert-driven solutions that strengthen heat treatment throughout the world.

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