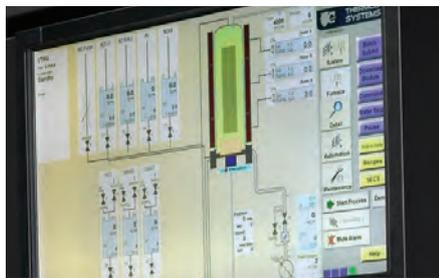


VTR6000EX / VTR7000EX CONTROL SYSTEM UPGRADE

OVERVIEW

Thermco introduces the ultimate in upgrades for existing SVG Thermco VTR 6000/7000 series of vertical furnaces. The VTR 7000XE uses the latest PC control, hardware and automation technology extending the life of VTR systems and addresses many of the obsolescence issues now faced on these systems.

The VTR 7000XE product is a critical hardware and software upgrade to keep your system running smoothly replacing obsolete process control (PACE), automation (ACE) and communication subsystems.



CONTROL SYSTEM SOLUTIONS

Increase system lifetime functionality and uptime of existing systems with a fully supported VTR 7000XE upgrade

Modern Windows based PC control system and touch screen GUI interface for ease of operation, process recipe creation, data collection and charting

Advanced robotic interface via the VTR 7000XE GUI control for improved manufacturing and maintenance user experience

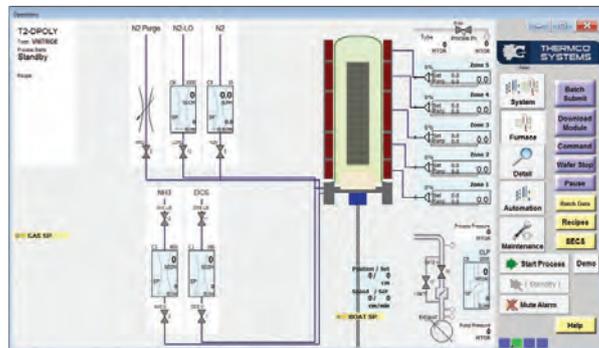
Modern and compact industry standard TMX tube controller replaces obsolete PCE systems

State-of-the-art data collection and SPC functionality enables customers to increase uptime, tune maintenance cycles and improve equipment performance consistency

Thermco Systems have thermal process tools designed with your emerging technologies in mind

REMOVING OBSOLESCENCE

The VTR 6000/7000 series of vertical diffusion furnaces were a highly successful product range initially released by Thermco in the late 1980's. Many of the critical subsystems controlling process, robotics and communications are now obsolete and unsupported. Thermco provides a one stop fully supported solution for the VTR 6000/7000 that eliminates obsolescence.



SPC MONITORING TOOLS

Thermco has the industry's most advanced SPC equipment monitoring control system. Statistical control is used to monitor and control all critical furnace parameters including temperature, gas flow, pressure, power etc. The SPC software module predicts when potential problems may occur to allow corrective action. This helps prevent scrap runs by highlighting when processes are starting to drift.

SUPERIOR, ROBUST TECHNOLOGY PLATFORM

The VTR 7000XE provides customers with a modern, PC based control system with touch screen GUI interface. In addition to improved ease of operation, recipe generation and graphical interface. This upgrade overhauls the obsolete furnace control, automation and communication systems developed over 20 years ago.

Thermco's world class TMX tube controller replaces the obsolete PCE system. Giving users greater flexibility and control over process parameters. The robotic interface via GUI control offers an enhanced user experience for both manufacturing and maintenance operations. The ACE controller is replaced with an advanced robotic controller connected to the VTR 7000XE control system via high speed TCP/IP connection.



Thermco Systems is a market leading manufacturer of Semiconductor Production Equipment (SPE).

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