

# CONTROL ENGINEERING

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Inside:

## InteractX HMI Software



2003 Editors'  
Choice Award  
Winner

Unlimited tags  
\$1495

ADVERTISING SUPPLEMENT



## HMI system eases development, deployment for OEMs

Parker Hannifin Electromechanical Automation—CTC's InteractX

InteractX from Parker Hannifin Electromechanical Automation—CTC is an innovative Microsoft Windows-embedded HMI system developed to meet the needs of machine control and OEM applications. InteractX runs on Windows98/2000/

NT/XP and Embedded NT/XP operating systems. InteractX includes an OEM-friendly "Pack and Load" feature that simplifies project management, making it easy to deploy HMI applications to a CTC PowerStation or industrial PC.

"The OEM can package multiple Windows applications for simple download and installation to runtime hardware in the factory or remotely in the field," says Jerry Koch, CTC's product manager. "Our tools are set up so that field service people can use them. You don't need an IT specialist for lengthy file copying, complicated transfers, and the manual installs typical with Windows systems. Our goal was to make application downloading as easy as for a PLC."

CTC adds that its software developers gave InteractX advanced and powerful graphics using vector-based, scalable 3-D rendering. "We've applied the latest graphic rendering technology to HMI, while greatly simplifying the graphics development environment," adds Koch. "With InteractX, OEMs can not only meet market demand, but gain a competitive advantage. The graphics let OEMs give a machine's operator interface a high-tech feel and functionality. The image quality allows graphics to be scaled to larger screen sizes, and still look great, while file sizes remain small." [www.ctcusa.com](http://www.ctcusa.com)



- Breakthrough graphics technology
- Panel tool library for fast, easy screen development
- Alarming for real-time and historical review/archiving
- ActiveX third-party tool support

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## InteractX™: Innovative Control for Machine Builders Parker Hannifin

It's clear from the lifelike graphics that CTC's InteractX™ offers a revolutionary approach to how a human-machine interface can look. But what about how the software operates? This is where InteractX is truly groundbreaking, because it was developed specifically for machine control and OEM needs, particularly in reliability, ease of application and reduced long-term costs of ownership. For example, CTC designed this Microsoft Windows HMI software to run on any PC and integrated it completely with its line of industrial PCs (PX PowerStations) for affordable platforms that address machine builders' functional requirements.

InteractX includes more than 45 communications drivers with dynamic address reference validation and a tag editor that allows users to quickly switch between different address types and PLCs. These drivers are provided at no additional cost, as are InteractX's unlimited tags, which can save up to \$1,000 and more on many installations. This compares with the practice of providing limited tags for a basic Windows application and assessing hidden costs for additional tags.

The advanced graphic capability makes intuitive operator and diagnostic panels that automatically resize to fit any display. Although CTC kept applications configuration simple, InteractX includes full HMI functionality and even allows users to add their

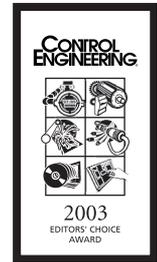
own value through powerful customization features. The panel replacement tools are drag-and-drop configurable with no scripting required, while custom graphics are a snap.

Similar to Microsoft PowerPoint, InteractX makes it easy to customize screens styles with the customer's corporate colors, logos or special graphics. Likewise, languages can be easily changed—an important feature for international companies. A change to a single file seamlessly translates everything in the application. Interac-

tX's open architecture allows machine builders and users to integrate other software tools and resources, such as ActiveX controls for vision, OPC communications for device integration, and Visual Basic for Applications (VBA) for customized functionality.

[www.ctcusa.com/CTCNET/InteractX\\_Overview.asp](http://www.ctcusa.com/CTCNET/InteractX_Overview.asp)





## Create HMI magic without being a magician.

InteractX™ our new Windows®-based HMI software, puts powerful tools at your fingertips. With next-generation graphics capability and state-of-the-art features specifically for HMI and machine control, InteractX gives you:

- A panel tool library for quick screen development
- Lifelike graphics for easy machine operation
- Alarming for real-time and historical archiving/review
- Open architecture to support ActiveX® 3rd-party tools
- Customization with VB for Applications (VBA)
- Over 40 standard communication drivers
- Vast 3rd-party OPC client/server support
- 21CFR11 for FDA compliance
- Multi-language support for international markets

See for yourself why InteractX is a revolutionary advance in machine interface.



For your FREE software evaluation CD, log on to [ctcusa.com](http://ctcusa.com) or call us at 800-233-3329.

anything  Possible.™

# InteractX Pre-installed on PX PowerStations



## HMI Software And Hardware From One Source - Embedded For Reliability

CTC specializes in combining PC hardware and HMI software into its PowerStation workstation line. The upgraded line of PX Series PowerStations is available with 10", 12", 15" or 18" display options and up to 1GHz CPU processor. With InteractX Windows HMI software **factory-installed and tested** on PX Series PowerStations, there's no need to integrate hardware and software products from different suppliers. The PX Series is an out-of-the-box Windows HMI solution.

## PX Series PowerStation

				
	10" Display (PX10)	12" Display (PX12)	15" Display (PX15)	18" Display (PX18)
<b>PERFORMANCE</b>				
<b>GOOD</b>	InteractX Windows HMI: Example: Panel Replacement, Alarms, Networking, VBA, OPC, etc.			
<b>BETTER</b>	InteractX Windows HMI & Standard Applications: Example: MS Office, Trending, Machine Changeover, etc.			
<b>BEST</b>	InteractX Windows HMI & High Level Applications: Example: Database Management, SPC, Manufacturing Reports, etc.			

PowerStations are designed to meet the challenges of passing more tests in one day than most other units see in a lifetime. The new PX Series PowerStations offer industrial-hardened reliability with Windows 2000, NT/XP running on hard drive or Windows Embedded NT and Embedded XP running on Compact FLASH. Now your Windows HMI system does not require a hard drive or any moving parts that can reduce reliability in a production environment!

**Win XP Pro & 2000  
now available on  
Compact  
FLASH**



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### Try A Free InteractX Demonstration CD!

To request your CTC Demonstration call **1-800-233-3329** or visit our web site at [ctcusa.com](http://ctcusa.com)



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