

# MachineWorX™

## Visualization Software for Embedded Systems

### Cost-Effective Software for Embedded Systems

Designed for machine builders requiring HMI Visualization and SCADA for Windows® Embedded systems.

### Designed for OEMs and Machine Builders

Requires minimum disk space; runs on flash drives and industrial PCs.

### Vendor-Independent and Modular HMI Software

Truly hardware-independent application that can be used with virtually any PLC, subsystem, DCS, or panel-based visualization system.

### OPC Universal Connectivity

Compliant with OPC Data Access (DA) and OPC Alarms & Events (AE).

### Designed for Embedded NT and Embedded XP

Supports Embedded NT and Embedded XP applications requiring a small memory "footprint" and optimal performance.

### Common Development Platform

MachineWorX™ applications are designed with the GENESIS32™ common development system.

### Real-Time Alarm Summary Displays

View real-time alarms in a classical alarm summary display format.

### International Language Switching and Global Aliasing

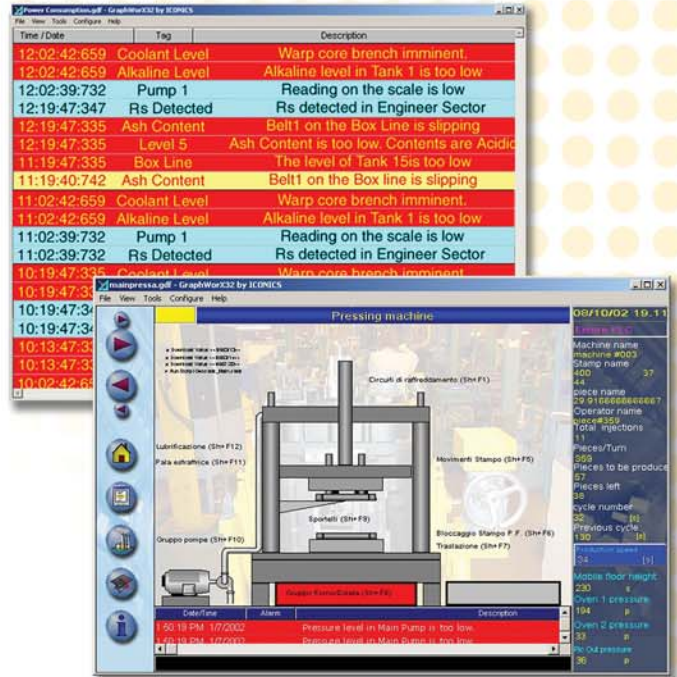
Easily deploy machine-level projects internationally. Create reusable graphics, trends and alarm applications.

### Project Management and Deployment Tools

Easily deploy projects to target devices. Collaborate and manage applications in the development phase using Microsoft® Visual SourceSafe® helping to improve project traceability.

### Extensible and Scalable Multiprocessor Architecture

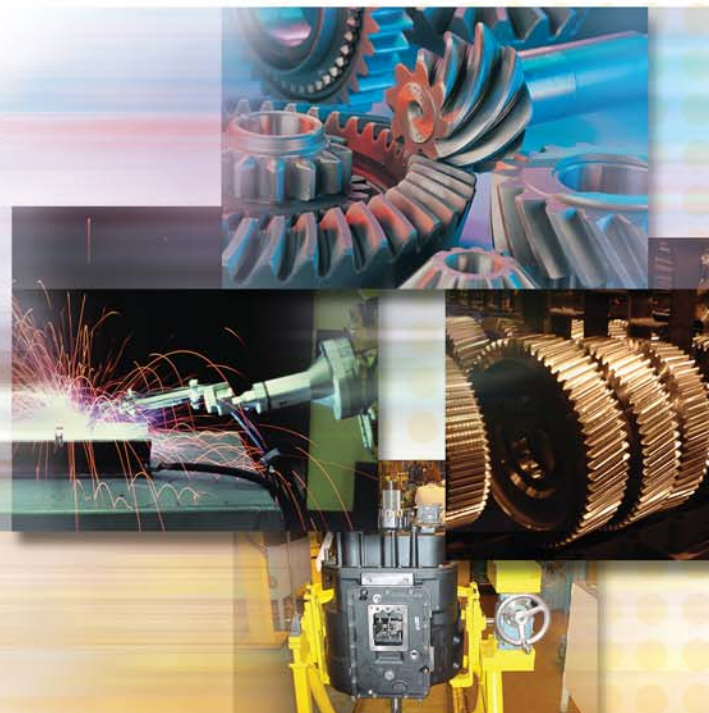
Built on standards integrates with OPC, COM/DCOM, and ActiveX®.



**"The Power of a Full Visualization System Integrated into a Diskless, Embedded System!"**



**Visualize Your Enterprise!™**



MachineWorX™ offers features and functions specifically designed to aid machine builders, panel builders and OEMs in the integration of monitoring, control, alarming, and real-time trending into their product solutions.

#### Industries Served

MachineWorX is designed for machine builders and OEMs serving all industries. ICONICS has more than 100,000 systems running worldwide. If your application is process or discrete, ICONICS has the right automation product for you. The following industries are benefiting from MachineWorX and other ICONICS visualization solutions:

- Automotive
- Building Management
- Food and Beverage
- Oil, Gas and Petrochemical
- Machine Builders
- Pharmaceuticals and Biotech
- Security
- Water and Wastewater
- Utilities
- And many more ...

#### Benefits

Machine builders and OEMs who deploy MachineWorX into their solutions will enjoy many potential benefits:

- International language switching
- Support for Embedded NT/XP
- 100% OPC-compliant
- Plug and Play with open standards
- Fast and easy project deployment
- Cost-effective HMI solutions



# MachineWorX

## Visualization Software for Embedded Systems

### Overview

Machine builders and OEMs integrate MachineWorX into their product solutions to provide superior monitoring, control, alarming and real-time trending functionality. MachineWorX provides tools for building solutions tailored to the needs of machine builders, OEMs and integrators, enabling visualization, HMI, diagnostics and control of the overall machine operation. Fully integrated with industry standards such as OPC.

### Visualization Software for Cost-Effective Embedded Systems

Fast and easy integration into your product solutions using state-of-the-art technology, fifth-generation HMI/SCADA and control software applications designed for embedded systems.

### Designed for OEMs and Machine Builders

MachineWorX is designed to run on a flash drive for the most rugged environments, and provides a very cost-effective diskless system.

### Vendor-Independent and Modular HMI Software

Truly hardware-independent application that can be used with virtually any embedded hardware device running Embedded NT or XP. MachineWorX can be easily and quickly integrated into any vendor's NT or XP embedded system.

### OPC Universal Connectivity

Fully compliant with OPC Data Access (DA) and OPC Alarms & Events (AE). Development costs are dramatically reduced as OPC-To-The-Core™ technology significantly simplifies system design, commissioning and maintenance, and also provides standards-based universal connectivity.

### Designed for Embedded NT and Embedded XP

For applications that need to run on Microsoft Embedded operating systems, such as Embedded NT and XP, MachineWorX from ICONICS is the answer. MachineWorX is optimized to take maximum advantage of limited memory requirements and other resource limitations.

### Common Development Platform

The MachineWorX development studio can be run on Microsoft® Windows® 98, ME, 2000, XP, and Windows NT® operating systems. This same development system is used to create any ICONICS GENESIS32™ visualization solution.

### Real-Time Alarm Summary Displays

MachineWorX neatly summarizes all active alarms and events for quick review and acknowledgment. Over 100 Alarm Viewer properties allow easy customization of the alarm summary using filters, sorting, drag-and-drop columns and more.

### International Language Switching and Global Aliasing

Machine builders and OEMs needing to deploy their products and systems around the world can now define multiple languages and engineering unit conversions for their machines and applications. Centralized language switching eases the development of language-based systems and enables language switching during runtime.

### Project Management and Deployment Tools

Let ProjectWorX™32, a module of MachineWorX, do all the work! Deploy projects by simply packing them and then unpacking the projects on the remote target embedded controller. ProjectWorX32 integrates with Microsoft Visual® SourceSafe® technology during the development phase, making traceability and collaboration on large projects easy.

### Extensible, Reliable and Scalable Multiprocessor Distributed Architecture

MachineWorX is built on standards and allows integration with OPC, COM/DCOM, ActiveX® and Microsoft SQL Server®. MachineWorX also uses VB Script for quick and easy configuration without the overhead of VBA.

### Additional Features

MachineWorX comes with everything needed to design graphics and provide real-time control and alarm management, and is available in different bundles to meet your production schedules. As an option you can add powerful real-time trending. Order your starter kit today!

100 Foxborough Blvd. Foxborough, MA 02035 USA, Tel: 508-543-8600, Fax: 508-543-1503  
Europe BV, Tel: 31-18-269-0055, Fax: 31-18-269-0052 • England, Tel: 44-138-427-5500, Fax: 44-138-440-1642  
Germany, Tel: 49-731-98588-760, Fax: 49-731-98588-764 • Australia, Tel: 61 29 898 3211, Fax: 61 29 898 3411  
Czech Republic, Tel: 420-377 326 139, Fax: 420-377 237 109 • Italy, Tel: 39 347 8199250, Fax: 39 010 6014091  
E-Mail: info@iconics.com Web: www.iconics.com

© 2003 ICONICS, Inc. All rights reserved. GENESIS, GENESIS32, Pocket GENESIS, GraphWorX, AlarmWorX, TrendWorX, ProjectWorX, ReportWorX, TraceWorX, WebHMI, MobileHMI, GenBroker, ControlWorX, ToolWorX, ToolBoX, GENESIS for Windows (GFW), GENESIS BiZ Viz, Visualize Your Enterprise, and OPC-To-The-Core are trademarks of ICONICS Inc. Microsoft, Windows, ActiveX, Visual C++, Windows NT, and Visual Basic are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. IBM and PC are trademarks of International Business Machines Corp. Other product and company names mentioned herein may be trademarks of their respective owners.



Visualize Your Enterprise!™

For further information call  
**508-543-8600**  
or visit our website  
**www.iconics.com**