



# Control Solutions



GE Fanuc  
Intelligent Platforms

# We Are Committed To Helping You Achieve Spectacular Control

With a Complete Range of Control Hardware Powered  
by the Integrated Proficy\* Machine Edition Software

With technology ranging from compact and economical micro controllers to cutting-edge programmable automation controllers and the open flexibility of our industrial PCs, GE Fanuc has a wide array of off-the-shelf solutions to meet your exact needs. And because we integrate these flexible automation products with powerful software that provides the universal engineering development environment for all our controllers, both your knowledge base and your applications are portable as you move from platform to platform and expand from generation to generation.



## Simple Control

### Small Control Systems for Standalone and Basic Applications

Durus\* Controllers provide all-in-one control in a simple and rugged form. Its easy-to-use programming will have you running in no time.

The VersaMotion\* family of servo amplifiers offers simple stand-alone positioning capability using up to eight stored motion profiles, or can be connected to any motion controller using an analog velocity, analog torque or pulse command interface.

VersaMax\* Micro PLC offers the flexibility of modular design and a variety of built-in features, fast cycle times, a robust instruction set and extensive memory that multiplies your programming options.



## Moderate Control

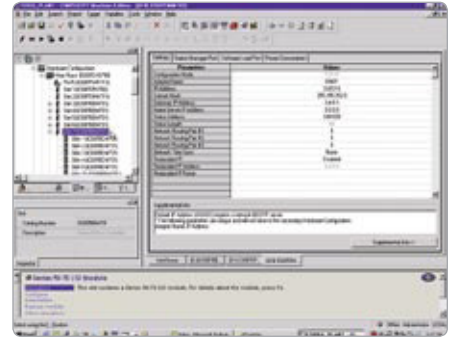
### Versatile, Scalable Control Systems for a Variety of Mid-Range Applications

VersaMax offers big PLC power in a small package as well as a broad range of discrete, analog, mixed and specialty I/O modules.

With its modular design, over 100 I/O modules, and a range of CPU options, the Series 90\*-30 PLC is versatile enough to configure a system based on your specific performance needs. Its superior networking and communications capabilities enable you to network, transfer data, upload and download programs and perform diagnostics over one non-proprietary network.

QuickPanel\* Control provides access to a broad range of I/O, communicates via a variety of networks, and enables remote monitoring of your systems.





## Complex Control

### Powerful, Flexible Control Systems for Demanding Applications

The PACSystems family of controllers has application portability, enabling you to select one platform today and move to a higher-end system tomorrow by simply changing a few settings.

Both the VME-based RX7i and the PCI-based RX3i help you boost the overall speed, capacity and performance of your automation systems with powerful CPUs and high-bandwidth backplanes. Integrated motion control facilitates high performance point-to-point applications. Redundancy and High Availability are available in the RX3i and RX7i PACSystems.

The open architecture backplane of the Series 90-70 unlocks the versatility of hundreds of unique VME-based cards for applications involving elements such as vision, highly specialized motion, or fiber-optic networks.

A robust industrial PC offering enables you to design a solution uniquely suited to the needs of your control application.

## Specialized Control

### Advanced Control Systems for Critical and Resource-Intensive Applications

PACSystems offers enhanced speed and capacity over existing PLC technologies for high-speed processing and communications as well as memory-intensive tasks such as recipe storage and data-logging. The RX7i is ideally suited for integrated solutions that require open architecture, large memory, distributed I/O and high performance.

Coupled with the advanced diagnostic capabilities of Genius\* I/O, Series 90-70 PLCs have become the industry standard for complex applications requiring redundancy, large numbers of I/O, and large amounts of process memory.

You can customize your system architecture even further with a variety of available VME-based single board computers (SBCs), I/O and specialty modules as well as motion controllers for a broad range of stand-alone or distributed system configurations.

## Proficy Logic Developer PLC

### All the Tools You Need to Develop, Monitor, and Troubleshoot Your Application Through the Entire Lifecycle of Your Project

Proficy Logic Developer PLC provides a complete set of programming languages for you to develop your control applications. User-defined function blocks let you develop and maintain code in one place but use it multiple times within and across your applications.

#### Configuration

Intuitive tools make it easy to configure the system and enhance and modify it as needed. One software package supports the full line of GE Fanuc controllers.

#### Commissioning

A complete set of online development tools can help you debug issues and solve problems more quickly, and the data monitoring tools provide a window into your application execution.

#### Monitoring

Access application data through the software, and control and monitor the system from any location using a web browser. Plus, there are a powerful variety of tools for charts, alarms, trends, and statistics.

#### Maintenance

The diagnostic tools help identify problems that may have occurred with your system. Additional features include central storage, version control, and access control capabilities.



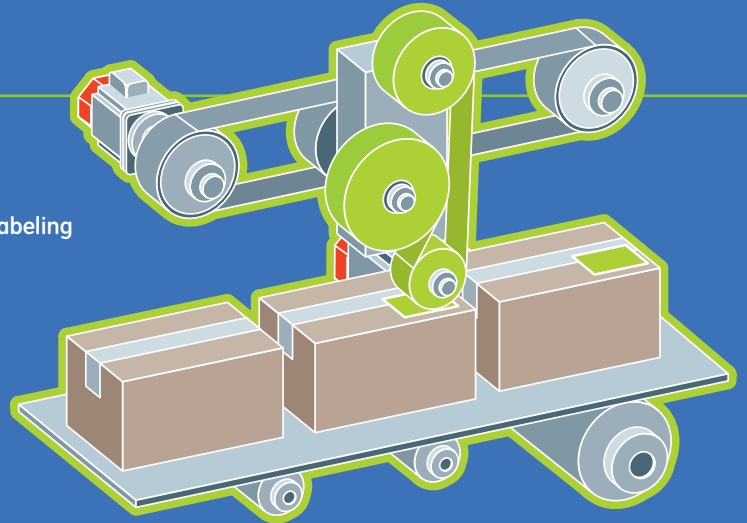
# A Complete Range of Control

## Simple Control

- Minimal memory requirements
- Simple communications
- Typically fewer than 150 points of I/O
- Applications such as vending machines, low-end labeling and packaging, and dispensing

### Products:

- Durus
- VersaMax PLC
- QuickPanel Control

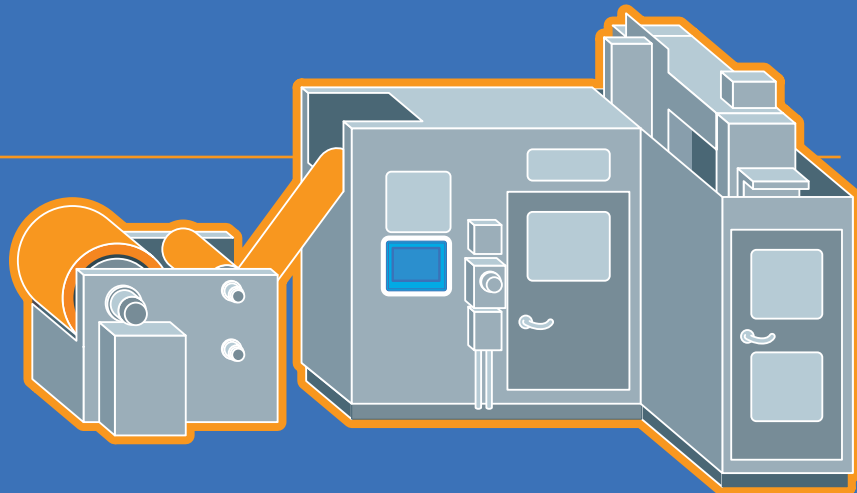


## Complex Control

- High availability
- High-speed data transfer
- Integration with industry-standard technologies (PCI, VME)
- Typically 200 to 5,000 points of I/O
- Motion components
- Applications such as printing, flying shear, and winding machines

### Products:

- Series 90-70 PLC
- PACSystems RX3i
- PACSystems RX7i

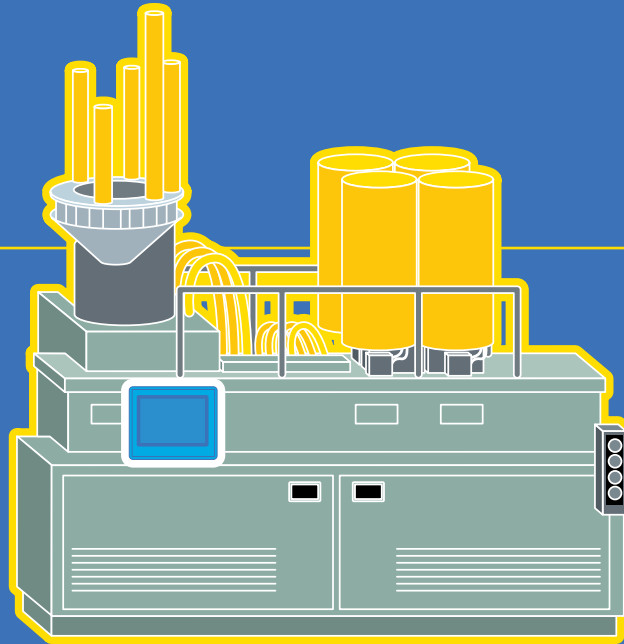


## Moderate Control

- Expanded communication via Fieldbus (Genius, DeviceNet™, Profibus-DP™) and Ethernet interfaces
- Wide range of I/O requirements
- Typically between 150 and 512 points of I/O
- Applications such as food processing, semiconductor wafer fab, material handling, and plastic injection molding

### Products:

- VersaMax PLC
- VersaMax Micro and Nano
- QuickPanel Control
- Series 90-30 PLC

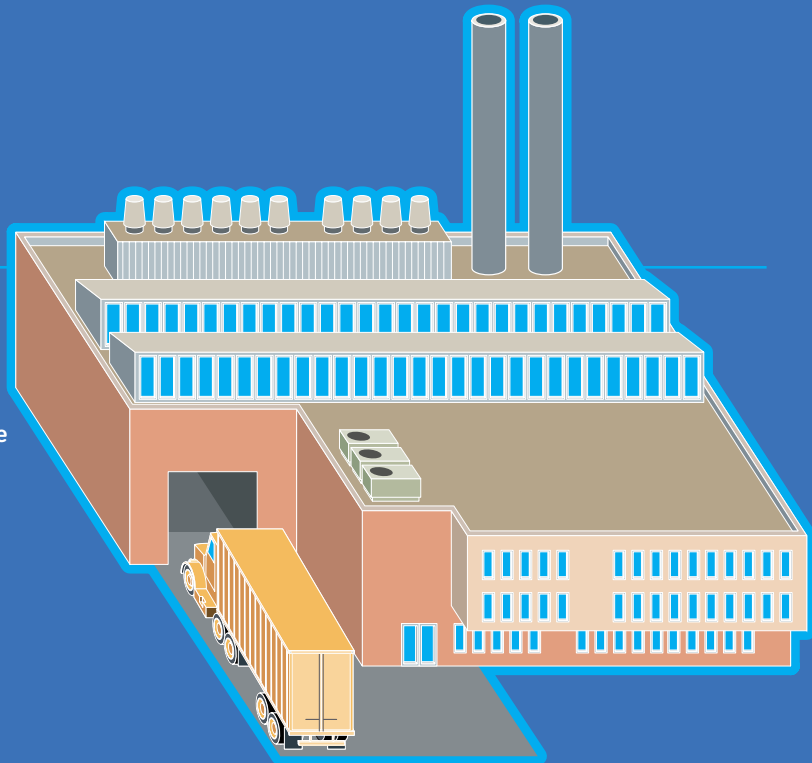


## Specialized Control

- Memory intensive
- Coordinated control
- Genius Modular Redundancy
- Typically 1,000 or more points of I/O
- Applications such as SIL 1 and 2, automotive paint shop, fire and gas detection, reactor shutdown systems, and critical control

### Products:

- Series 90-70 PLC
- PACSystems RX3i
- PACSystems RX7i





### GE Fanuc Intelligent Platforms Information Center

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1 800 322 3616  
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Global Regional phone numbers  
are available on our web site  
[www.gefanuc.com](http://www.gefanuc.com)

### Additional Resources

For more information, please visit the  
GE Fanuc Intelligent Platforms web site at:

[www.gefanuc.com](http://www.gefanuc.com)



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08.08 10M GFA-231H