

SNAP PAC System: The Automation Solution for Machine Builders

Are these some of your goals as a machine builder?

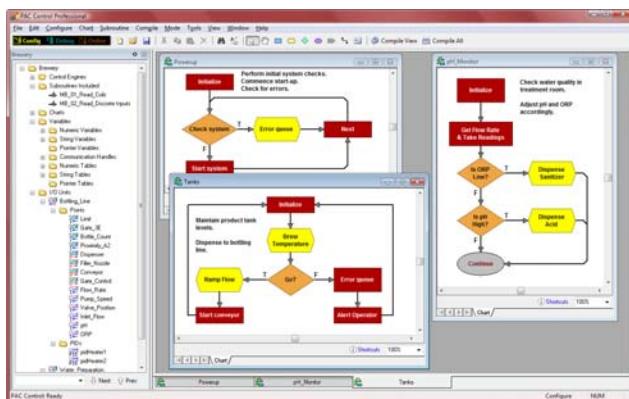
- Reduce costs to increase both competitiveness and profits
- Be able to change your design easily to meet customer requirements
- Put the machine in service and forget about it
- Add value for your customers through unique capabilities that set you apart from your competitors
- Offer global support and availability of spare parts
- Protect your intellectual property
- Monitor and service remotely

Opto 22's SNAP PAC System and *groov* operator interfaces address these goals common to OEMs by providing powerful yet easy-to-use software, hardware with OEM-specific advantages, years of experience working with machine builders, and a lower cost of ownership.

Easy-to-use PAC Project software

Compare PAC Project to traditional ladder logic programming. PAC Project offers:

- Intuitive flowchart programming that "mirrors your machine" for easier design and maintenance
- Plain English commands; plain language variable and I/O names you assign
- Integrated development environment (IDE) and shared tag database for control program and HMI
- Protection for your code
- Simulator for testing applications without any hardware



- Control code that's multitasking and realtime, not scan based
- Optional scripting to simplify string handling and complex logic or for those who prefer Structured Text, VB, C, or C++
- Ability to share data easily with your customer's MRP or ERP system

Hardware with advantages for machine builders

SNAP PAC controllers and SNAP I/O

groov Box



- Local controller memory for data logging
- Removable data storage (microSD, up to 32 GB)
- Small-footprint, fanless *groov* Box that securely serves easy-to-build operator interfaces on inexpensive, off-the-shelf tablets or smartphones
- True distributed intelligence
- Low cost, modular I/O systems that are easy to wire and network
- Flexible communication options, including open protocols and remote monitoring over modem, radio, smartphone, tablet, and wireless 802.11a, b, or g

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Opto 22 OEM Experience

Since 1974, when Opto 22 introduced a line of optically isolated solid-state relays (SSRs) for the component OEM market, we've given machine builders reliable products to meet their needs.

Over the years, we've frequently heard concerns like these from OEM customers:

- "The PLC is a small part of the machine, yet it often requires the most time and effort."
- "It's not feasible to have a programming specialist on staff, and subcontracted programmers are becoming hard to find."
- "We are experts on our machine, our customer's process, and our industry. Let us go about doing what we do best and not get bogged down with the automation system."
- "In today's industrial climate, innovation is often not rewarded, and it should be."

We've responded to these concerns by simplifying software, providing free training, and offering a reliable, flexible system that's easy to change or expand.

The SNAP PAC System and *groov* are used by OEMs throughout the world, by both major corporations and small companies, in a wide variety of machines and applications—including process control, discrete automation, motion control, data acquisition, and remote monitoring.

Why do business with Opto 22?

Quality—Your machine is only as reliable as the components used to build it. Every Opto 22 part is tested (no statistical testing), twice. All our products are manufactured at our headquarters in California, assuring control over all aspects of quality.

People—Opto 22 isn't an impersonal corporation. We're large enough to be stable, yet small enough to be close to our distributors and customers. Pre-sales engineering and product support are free. Call Opto 22 and talk with a real person!

Global Recognition—Our more than 40 years of technology leadership show a history of innovation, from the red-black-yellow-white I/O module color scheme (introduced in 1978), to the Optomux protocol (1982), to Ethernet-based I/O (1998), to *groov* today. Over 10,000 customers worldwide have installed Opto 22 systems.

Lower Cost of Ownership—Some OEMs look at the initial cost of a system but fail to look at the overall cost of ownership over time. With the SNAP PAC System and *groov*, your cost of ownership is low. Here's why:

- Free control software (compare to \$3,000–5,000 for others) without yearly licensing fees
- Free pre-sales engineering
- Free factory training
- Free website resources for fast learning
- Free product support—no support contract required
- Reliable products that just keep working, and a lifetime warranty on most I/O modules



Opto 22's *groov* makes it easy to develop an operator interface for your machine using an inexpensive commercial tablet. No programming or coding. Learn more at www.groov.com.

Interested? Give us a call.

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