

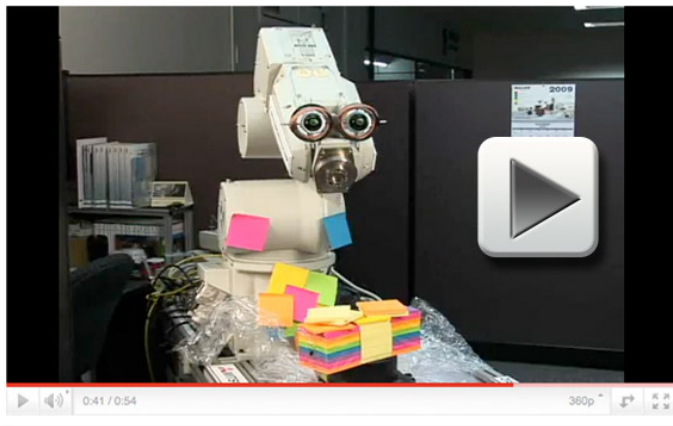


News And Information For May 2010

Hello!

We have some exciting news to share with you this month, especially on the robotics front. And no, I'm not referring to the latest misadventures of Numabot!

May Numabot.flv



Read below to find out the latest on what Yamaha has to offer. We've also got some great information on other new products that promise real advances in a wide variety of applications.

If you have any questions, don't hesitate to contact us. We always look forward to your feedback.

All the best,
Steve Leach

President
stevel@num-eng.com
818-768-1200

55 Years - A Reason to Celebrate

Celebration may seem like an odd sentiment in this business climate, but that's exactly what we're doing!

This year marks Numatic Engineering's 55th anniversary of service to our clients. And despite the challenges, we remain resilient and determined to be California's premier resource for automation components.

Our customers recognize that, and at a time when we all face tough choices, they choose to rely on Numatic Engineering.

We can't think of a better reason to celebrate.

So here's to 55 years of success, and to our valued clients who made it all possible!

Yamaha Robotics Raises the Bar for Reliability

We have exciting news on the robotics front!

Numatic Engineering is pleased to announce that Yamaha's all new lineup of high performance single-axis robots is now available for ordering. These are the same robots that Yamaha uses in its own factories.



The Phaser series is available in nine different configurations, giving you maximum application flexibility. Using linear motor technology, Phaser robots deliver speed, repeatability and reliability, enabling you to satisfy the ever-increasing demands for lower costs and shorter turn-around times.

Call Numatic Engineering today at (800) 247-2957 and find out which Phaser robot is right for your needs.

See more info on this product [here](#)

Bimba's New Electric Actuators Deliver Flexibility

Bimba recently released its new Original Line Electric Rod Type Actuators - and Numatic Engineering has them!



Because it's from Bimba, quality and durability are a given. These new actuators also offer tremendous flexibility, giving you unprecedented application options at an unbelievable price.

- Modular design for increased flexibility and convenience.
- Eight mounting options.
- Three-day lead time on standard models.
- Custom models to suit diverse applications.

About Numatic Engineering

With five decades of experience as the premier resource for automation controls, from kitting to control system design and fabrication, Numatic Engineering's complete line of services is aimed at supplying quality, cost-effective solutions for your every need.

VIP Video Tour

Take a VIP Video Tour of our Sun Valley headquarters and learn more about why Numatic Engineering's expertise, service and inventory make us California's premier resource for automation solutions, products and services.

[**Click here to start your tour.**](#)

Quick Links:

[Our Website](#)

[Products](#)

[Pneumatic Automation](#)

Control Valves

Actuators

Modular Automation

Aluminum Extrusions

Air Line Accessories

Shock and Vibration Absorbers

Vacuum Pumps

Generators & Blowers

- Wide variety of standard options.
- Available with and without motor, coder and drivers.
- Standard actuators mount to a wide variety of steppers and servos.
- Thrusts up to 350 pounds.
- Speeds up to 22 inches per second.
- Strokes up to 18 inches.

Call Numatic Engineering today at (800) 247-2957 and we can help you select the best Original Line Electric Rod Type Actuator for your application.

See more info on this product [here](#)

Discover the Advantage of Serial Network Solutions from SMC

Imagine less wiring, faster installation, and simpler maintenance. Sound too good to be true?

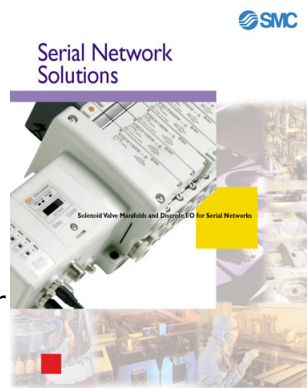
Well, stop imagining and see what SMC's serial networking technology has to offer.

Through serial transmission, a PC or PLC can control remotely located process equipment. Programmed commands are generated by the controller and are sent to a remote input/output (remote I/O) block rather than wiring everything inside the PLC chassis.

Now that you can communicate with hundreds of inputs and outputs without having to hard-wire each one back to the PLC, you can use far less wire. That makes installation a speedy "plug and play" proposition. And when a problem arises, simply check the LED display on the serial unit, instead of checking every wire and I/O point.

So what are you waiting for? Contact Numatic Engineering today at (800) 247-2957 to learn how serial networks solutions can simplify your automation needs.

See more info on this product [here](#)



Electronic Automation

Programmable Controllers
HMI Displays
Motion Control
Variable Frequency Drives
Industrial Robots
Vision and Sensors

What Our Customers Say About Us

"The staff of Numatic Engineering is bright, educated and caring when it comes to listening to our needs and has routinely worked with our R&D department to develop turnkey solutions that we use to build the best machinery in our class."

Mike M.
Belco Packaging

Mitsubishi Electric Offers Smooth Operating Solutions

Smooth acceleration and deceleration is a critical performance factor for in-line vertical sorting applications like baggage and material handling that must contend with moving large and/or fragile objects between conveyors, or up or down to different levels.



Mitsubishi Electric understands the unique demands of these systems and delivers reliable solutions in the A700 variable frequency drive and the Real Sensorless Vector (RSV) motor control system.

The A700 offers servo-like performance with its ability to respond to changing load conditions while minimizing jerking and speed fluctuations. The RSV delivers wider speed range, smoother operation and lower motor currents, thanks to a highly accurate motor 'map', obtained during an auto-tune procedure which applies alternating voltage to the motor and determines critical motor characteristics.

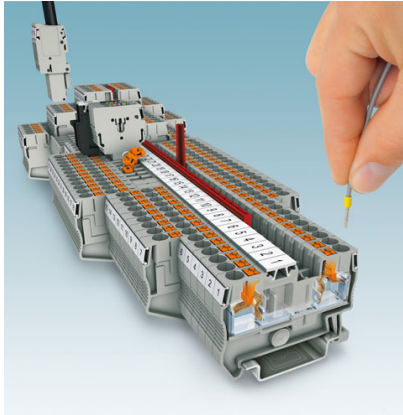
The RSV also employs the Adaptive Flux Observer system, which compares actual motor behavior during operation with the theoretical model. Instead of a response to a change in load or speed being fixed, any variations between the theoretical and the actual motor response measured in operation are analyzed by the Flux Observer, which constantly refines the motor map as speed and load conditions change.

For more information on Mitsubishi's solutions for in-line vertical sorting, call Numatic Engineering today at (800) 247-2957.

See more info on this product [here](#)

It's Simple: Choose Phoenix Contact's Push-in Terminal Blocks

Phoenix Contact's push-in, tool-less terminal blocks use a direct push-in connection and require 50 percent lower insertion force when connecting solid conductors or conductors with ferrules.



As a result, you can reduce fatigue, save time and simplify wiring without sacrificing flexibility. Since push-in terminal blocks are part of the CLIPLINE Complete system, they are compatible with standard system accessories, including bridging, checking and marking. They deliver maximum flexibility in a variety of options, including feed-through, multi-conductor, component and pluggable terminal blocks. And, they can be combined with screw, spring-cage and fast connection terminal blocks.

Additional push-in terminal block advantages include:

- Orange push button located on the actuation shaft opens the spring to the maximum wiring space of 2.5 mm² (4 mm²) /AWG 12
- Fast, clear wiring and high-contacting safety
- Three standard marker grooves allow individual terminal point labeling with the one marking material
- Front connection for space-saving convenient wiring

Push-in terminal blocks are available to order by calling Numatic Engineering at (800) 247-2957.

See more info on this product [here](#)

80/20 T-Slot Framing Offers Customized Rack and Storage Solutions

Remember erector sets as a kid, and all the things you could build? The only limit to your creativity was your imagination.

Thanks to 80/20 Inc., the erector set has grown up, and that same versatility is now available for workplace applications.



80/20 Inc. manufactures a modular framing system that can be configured for almost any application imaginable. Build racks, platforms, benches, tables, or anything else you need using the durable, lightweight aluminum T-slot framing. And with thousands of accessories that attach easily and securely, you can create a solution that meets your exact specifications.

Learn more about 80/20 T-slot framing by calling us today at (800) 247-2957.

See more info on this product [here](#)

Grab a Sandwich and a Solution!

The best way to learn more about how we can provide value to you is to schedule a VIP Tour and visit our facility. Another option is to schedule a "Lunch and Learn" at your facility. We'll bring the lunch and selection of products tailored to your needs; you provide the meeting space and the inquisitive minds. "Lunch and Learn" is the ideal and most cost effective way for your design team to interact with the latest in automation technologies, and to brainstorm new ideas.

To schedule a "Lunch and Learn" at your facility, call us today at (800) 247-2957.

Numatic Engineering

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