



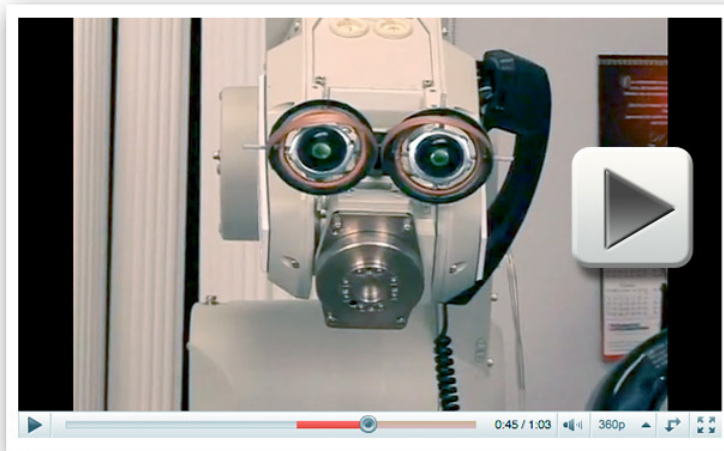
## News And Information For April 2010

Hello!

On behalf of everyone at Numatic Engineering I am pleased to share with you the latest edition of our informative newsletter.

This issue features a number of exciting components and systems from our most reliable vendors who have innovative applications across a broad array of industries.

And be sure to watch our latest video, which highlights the April Fools Day adventures of Numabot, our resident prankster.



Enjoy spring and we look forward to working with you in the month to come!

All the best,  
Steve Leach

President  
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**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!

## SMC Has Inventory Management Locked Up

Managing your inventory of SMC components has never been easier, thanks to SMC's new Fitting Cabinet Program. The roomy, all-steel cabinet organizes and stores your most frequently used components. It is backed by our local sales support, so we monitor inventory levels and ensure you'll always have enough of what you need.



### The Fitting Cabinet Program includes:

- Fitting Labels - The preprinted labels include photos for faster identification, selection, and ordering of fittings.
- Custom Order Pads - Repeat orders are fast and easy with order pads designed for your needs.
- Fitting Selection "Quick Reference" Flyer - Choosing the right fitting is a snap with this flyer, which covers 90% of daily needs.

### The cabinet itself is built to last, and designed with these helpful features:

- 22 3/16" wide x 28 1/2" deep x 39 1/2" tall.
- Five 3" drawers to store fittings and one 9" bottom drawer, ideal for tubing.
- Locking 4" casters and convenient retainer top with mat.
- Customizable drawer compartments with partitioning slots allow the drawers to be subdivided for increased flexibility and customization.
- Cabinet key lock for security and improved safety during transport.

## 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

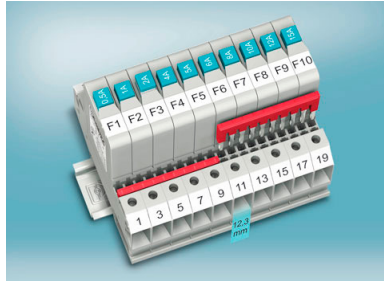
- Drawer interlock prevents opening multiple drawers that can lead to accidental tip-over.

To learn more about SMC's Fitting Cabinet Program, contact Numatic Engineering at (800) 247-2957.

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

### Phoenix Contact's New Circuit Breakers: Doing More with Less

The new UT 6-TMC M circuit breaker series from Phoenix Contact offers the advantages of fuse terminal blocks with the benefits of thermal-magnetic circuit breakers in a significantly smaller package.



At only 12.3 mm wide, the UT 6-TMC M circuit breakers occupy 30 percent less space than conventional 17.5-mm circuit breakers. The series is a resettable, single-pole circuit breaker with screw connection.

Tripped circuit breakers on the TMC are clearly indicated and can be easily reset with the press of a button. The series is available in 11 graded steps for nominal currents from 0.5 to 16 A. Two bridge shafts simplify distribution. The UT 6-TMC M series is part of Phoenix Contact's CLIPLINE Complete system, which features standardized push-in bridging, marking and testing accessories for all connection technologies. It is available today from Numatic Engineering by calling (800) 247-2957.

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

### Mitsubishi Solutions Yield Lower Costs and Higher Efficiency



Mitsubishi Electric Automation, Inc. has established an outstanding reputation for the performance of its components in vertical form, fill and seal operations.

Key components include a combined motion controller and PLC, a VFD control, SSCNET III fiber optic servo network, and high resolution absolute encoders.

#### Electronic Automation

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

#### What Our Customers Say About Us

*"Your staff is always willing to partner with us to ensure we achieve our performance goals and meet our deadlines. Because of your expertise and commitment to customer service, Numatic Engineering is one of our favorite vendors."*

**Roland Hoover**  
Engineering Manager  
Sorenson Engineering, Inc.

In these applications, plastic film material is pulled from a rolled stock, heat formed, filled with a product, and then sealed and cut. Food/beverage bag filling uses this technology, as well as pouch packaging and industrial powder filling.

Key components include a combined motion controller and PLC, a VFD control, SSCNET III fiber optic servo network, and high resolution absolute encoders.

**These components, which are available from Numatic Engineering, offer a variety of advantages and benefits, including:**

- Improved machine throughput
- Reduced wiring costs and labor
- Improved diagnostics and less downtime
- Reduced set-up time
- Increased machine setup time
- Enhanced productivity

Learn more about the demonstrated benefits that Mitsubishi components deliver by calling Numatic Engineering today at (800) 247-2957.

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

### **Tough Enough: New Bimba PFCNs Thrive Under Challenging Conditions**

Bimba Manufacturing's new non-contact pneumatic position feedback cylinder (PFCN) is designed to operate in the toughest, most challenging environments. It is built to withstand the effects of moisture, oil, and airborne debris, as well as dust and airline contamination.



Bimba's legendary design know-how led to this advanced performance. Inside the cylinder, a proprietary magnetostrictive sensor senses position as the piston moves back and forth and eliminates the wear and tear associated with rapid, short-stroke cycling. The new design also enables Bimba to offer the PFCN cylinders at a price far less than previous technology. For details, call Numatic Engineering today at (800) 247-2957.

- Ideal for closed-loop positioning and accurate measuring.
- Wide choice of mounting styles and options.
- Bore sizes: 1-1/16, 1-1/2, 2-1/2 and 3 inches.
- Stroke lengths from 1 to 9 inches.

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

## Problem Solved: Proportion-Air Improves Efficiency of AODD Pumps

Unmodified Air Operated  
Double Diaphragm  
(AODD) Pump



Miz-Air Device

It's no secret that Air Operated Double Diaphragm (AODD) pumps require a high volume of air to operate, and that the most effective way to make them more efficient is to better manage their air usage.

But because no two AODD pumps are the same, it was nearly impossible to design a product that consistently works. Until now.

Proportion-Air developed MizAir, a patented energy savings device that can achieve energy efficiency up to 50 percent. It employs fuzzy logic to analyze each pump stroke and "learn" the pump's unique characteristics. MizAir then makes internal adjustments to reduce air consumption by the pump and lower the energy required to run it with minimal impact on throughput, fluid flow or flowrate.

On approved pumps, no pump modification is necessary. The MizAir is plumbed to the air input side of the pump and powered with 24-volt DC.

Learn more by calling Numatic Engineering today at (800) 247-2957.

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

## Can You See the Problem?

It's an all-too-common problem in packaging applications - photoelectric sensors being fooled by shiny materials such as vials, ampoules and other glass packages. The result can be double-counts, caused by multiple reflections of one bottle, or even false-negative detection from a small change in reflectivity of the passing object.



Capacitive sensors from Balluff overcome these problems. Rather than focusing on optical features, these sensors detect core material characteristics. Balluff's stainless steel portfolio of capacitive sensors offers a wide range of high performance sensors for object detection, making your next presence detection application safe and reliable.

For more information, call Numatic Engineering 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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