

APPLICATION-SMART CONTROL SOLUTIONS

Boiler Control



Waste Water Treatment



Speciality Chemicals

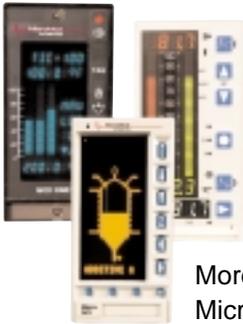
Food, Dairy & Beverage



Filling the automation void

Today, customers and competitors are cutting back on process control expertise. Not so at MicroMod Automation. Instead, we're heavily investing in filling the void, providing control product and fully engineered solutions ideally suited for specific applications.

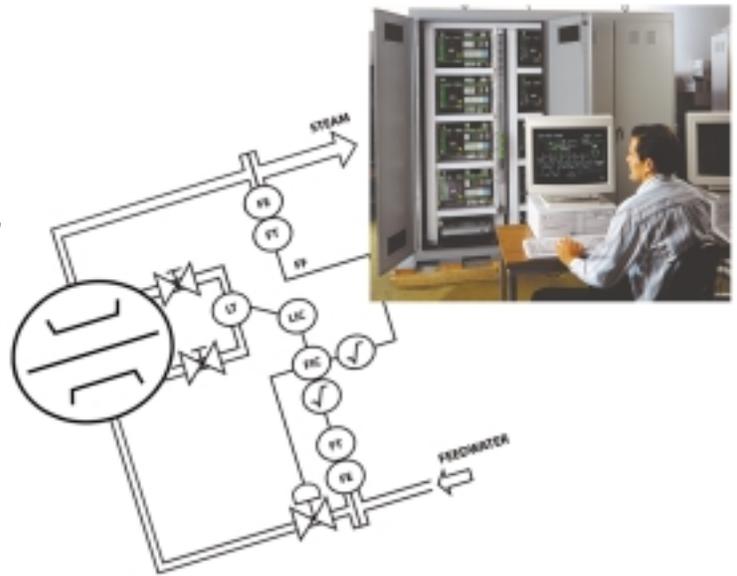
From customized engineering solutions through our growing network of independent solutions providers; to our in-house, industry-specific control engineering specialists; to pre-engineered packages offered in our PAK series, we'll provide precisely the application solution you need.



Our name – MicroMod – is derived from our two core product families: the Micro-DCI, developed by Fischer & Porter; and MOD, originally from ABB/Taylor. It's a lineage that we're proud to carry forward.

More than a mere producer of control products, MicroMod Automation is the comprehensive source for complete application-smart control solutions. Our expertise in application solutions spans four key markets including:

- Industrial and institutional boilers
- Water/wastewater treatment
- Specialty chemicals
- Food processing



MicroMod also provides service and parts for the discontinued Taylor MOD 30 and the Bailey Controls SLC/CLC. We are also the official parts source for Taylor brand pneumatic instruments.

Whatever your need, MicroMod will make it easier to specify, source, and install your applications control solutions.



MicroMod corporate headquarters in Rochester, New York. Other facilities include the company's Engineering Center in Southampton, Pennsylvania; and Mexican subsidiary, MicroMod Automation de Mexico, S. de R. L. in Mexico City.

What it means to be “application-smart”

While other control companies are product driven, we take the opposite approach and let the application define the architecture. That’s what we call “application-smart.” At MicroMod we are committed to saving you time and money by reducing the engineering burden required to create a complete control solution.

Our in-house and affiliated engineers have years of application experience in their chosen markets. It’s like having a whole department of process engineers on call to help you ensure the highest standards of efficiency and productivity. We make it easy for you.



Our boiler applications engineers are just as knowledgeable about boilers and burners as they are about control systems. They know what solutions are needed. They know what’s important.

Under the guidance of Robert Anken, P.E., a boiler control expert known throughout the industry, MicroMod Automation specializes in cost-effective optimization of institutional and industrial boilers.

Custom application design, integration and installation support services are provided by our in-house experts or through our growing network of skilled solutions providers. Virtual plug-and-play solutions to common boiler applications are available through our STEAMPAK series of pre-engineered packages.



The legacy and application expertise of Fischer & Porter, one of the most respected companies in water/wastewater treatment, lives on at MicroMod. And our core product includes the most specified panel board instruments in the industry – the Micro-DCI family.

MicroMod engineers have years of experience in designing and applying controls in water and wastewater treatment plants. We applied this experience in developing pre-engineered packages such as FILTERPAK and OXYPAK, for optimizing plants’ operations and significantly reducing electricity costs.

Whether you come to us for a turnkey solution or use a system integration company, you can count on MicroMod to help you close the loop on your treatment needs.

Boiler Control

Water/Wastewater Treatment



When it comes to batch control, blending, and other unit processes in the specialty chemical and pharmaceutical industries, Micro-DCI has a solid reputation. Its powerful program capabilities and integral graphic panel make it an economical alternative to PLCs in many installations. A variety of communications options allow the controllers to easily interconnect with existing control systems.



The "Taylor" legacy, once the most famous name in food processing, lives on at MicroMod Automation. Food, dairy and beverage companies can't afford a stop in production. That's why our Mod family of products has built-in features to prevent downtime and minimize the effect of a power failure should one occur. Ease of operation and maintenance make MOD controls ideally suited for both seasonal and continuous operations.

We've put it all together so you don't have to

Time is money, and we understand the value of both. That's why we've created the PAK series of pre-engineered application solutions.

Each package is carefully designed by our application experts to meet the needs of the majority of situations. One simple model includes: a preconfigured controller, detailed installation instructions specifically written for the application, and clear operating guides for the individual loops. Many packages also include pre-ranged field instruments.

MicroMod. It doesn't get any easier – that's application-smart!

STEAMPAK Series for Boiler Controls

- DRUMPAK – two and three-element drum level control packages reduce boiler trips and increase boiler efficiency
- TRIMPAK – combustion control with O₂ trim to improve boiler efficiency, reduce fuel and maintenance costs, and increase safety

- METERPAK – fully metered combustion controls with fuel-air ratio and safety cross limits

WATERPAK Series for Water and Wastewater Treatment

- FILTERPAK – single and multiple filter bed controls
- OXYPAK – closing the loop on dissolved oxygen can dramatically reduce electricity consumption and ensure optimum aeration at peak periods

RETROPAK Series for Control System Upgrades

- SLC-RETROPAK – provides a cost-effective migration path for Bailey SLC and CLC installations
- MOD30-RETROPAK – is the easiest, most economical way to upgrade from Taylor controllers to current technology
- 7000-RETROPAK – allows you to upgrade your Bailey 7000 series controllers to current technology, with minimum disruption

Micro-DCI Process Controller

This versatile family of compact, flexible, modular units has been accepted, used and proven around the world. Micro-DCI process control instruments are particularly well suited for MicroMod's target applications in the water/wastewater treatment and specialty chemical industries.

The family includes the popular 53MC5000 process control station as well as single loop controllers, manual loaders, and indicator/totalizers.

53MC5000

- One, two, and four-loop models offer flexibility and easy plant-wide standardization
- Sequence and logic control
- Library of standard, flexible strategies
- Programmable graphic operator panel
- Communicates with all popular PLCs
- Standard and expansion I/O

53LS6000 "Micro-Mite"

- Single loop, override and cascade control
- Lightweight and compact
- Easy to configure and operate



The MOD family of products, including MODCELL and MOD 30ML, provides flexible process control solutions designed to improve efficiencies and operations. Created with critical processes in mind, MOD products include many built-in features to help protect your plant, your personnel, and your profits.

Both MODCELL and MOD 30ML are configured with Graphic Application Designer software.

MODCELL Multiloop Processor

- Data acquisition, comprehensive regulatory control and flexible sequential control
- Up to 30 single point, individually isolated process I/O – analog or digital
- Expansion I/O for up to 100 discrete point
- Memory module backs up configuration and current process parameters



MOD Process Control Family

- Per-point power fail auto-recovery and fail-safe settings
- Dual communication networks (Modbus and peer-to-peer)

MOD 30ML

- Multiple PID loops, math; logic and sequence control
- Highly visible, configurable operator display
- Flexible built-in, modular and extended digital I/O
- Dual communications networks independently configurable for peer-to-peer or Modbus RTU
- Memory module backs up configuration and current process parameters
- Per-point power fail auto-recovery and fail-safe settings
- Dual communication networks (Modbus and peer-to-peer)



System Software Connectivity



When stand-alone just isn't enough, MicroMod can provide a complete system for operations and information gathering.

Our OPC Servers provide complete connectivity to a third-party OPC Client. All controller parameters are made available to the client software. Our Extended Modbus server can be used with any

Modbus RTU enabled device for communication to an OPC Client.

Automation of a process often requires supervisory control, recipe handling, batch scheduling, reporting, and graphic representation of plant process conditions. The Micro-PWC Personal Work Center integrates with MicroMod Controller products and third-party equipment; and provides operations, engineering and management with the tools to run the process efficiently and profitably.

Micro-PWC Personal Work Center

- OPC Client functionality
- Predefined and user-configurable graphics
- Alarm and event management
- Historical database
- Complete monitoring and control
- Migration path from supervisor PC

Technology – staying ahead of customer needs

With the purchase of the MOD and Micro-DCI product lines from ABB, we committed ourselves to an engineering strategy of staying ahead of our customers' needs. This strategy is based on taking our two flagship controller lines into the future with the same highly skilled engineers who were originally involved in the development of these leading-edge products.

Our goal is to continually advance the technology by combining superior products with the best application control solutions for our core markets: boiler controls, water treatment, specialty chemicals, and food processing. We continually invest to achieve that goal. It is at the heart of all that we do for you.



Engineering Center, Southampton, PA

Channels to market

A large and growing network of distributors, representatives, system integrators, and solutions providers deliver MicroMod sales, service and integration worldwide. For the names of providers near you, we invite you to contact us at:

1-800-480-1975 (within U.S.)
1-585-321-9200 (outside U.S.)

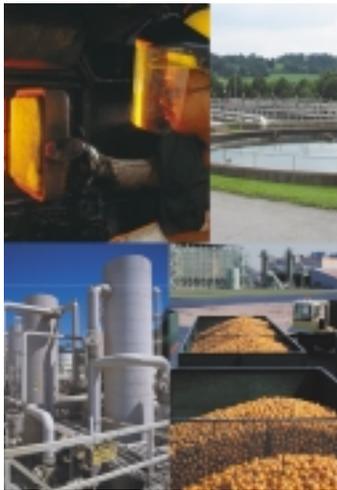
Or visit us on the Web at www.micromodautomation.com.

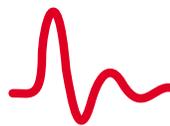


MicroMod Automation Headquarters

75 Town Centre Drive
Rochester, NY 14623, USA

Phone: 1-585-321-9200
Fax: 1-585-321-9291
E-mail: sales@micmod.com



 **MicroMod**
AUTOMATION