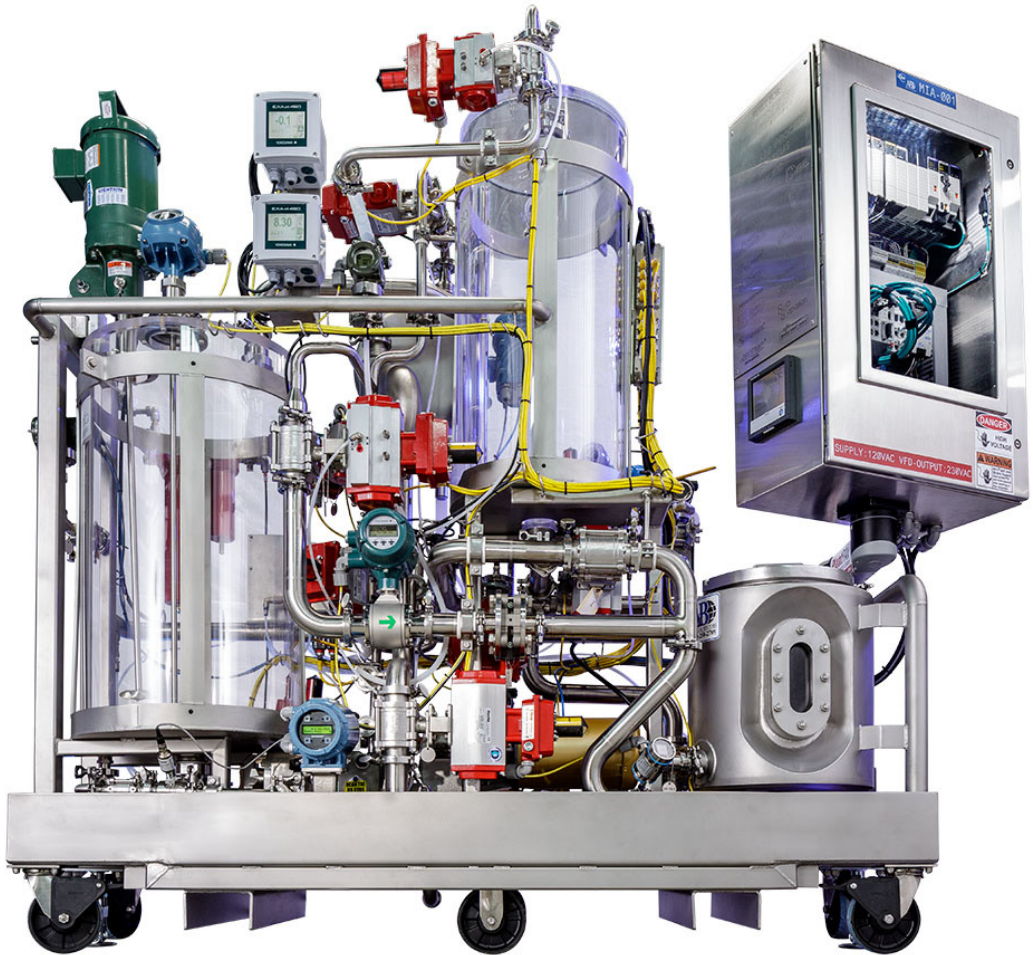




Multifunction Instrument Asset





Multifunction Instrument Asset

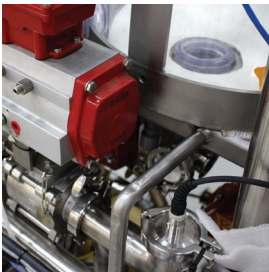
What is MiA?

MiA stands for **Multifunction Instrument Asset**.



MiA was designed by Rodney Howard P.E., CAP, product manager of process controls for Werner Electric Supply, with design recommendations from the International Society of Automation (ISA), a leading global, nonprofit standards organization with more than 40,000 members worldwide.

MiA is an 82"x26"x80" mobile unit that can be brought to customers, colleges, and high schools for automation process control training.



How Does MiA Work?

MiA can replicate many processes found in manufacturing plants, providing customers real-time training without disrupting production or causing damage to customer machines.



Rodney Howard - P.E., is registered in the State of Wisconsin – Control System Engineer, and is also a Certified Automation Professional (CAP), credentialed through the International Society of Automation (ISA).

Training Opportunities with MiA

Werner Electric Supply will use MiA for a variety of training opportunities, including:

- **Deep Dive Sessions**
Customers are trained in the fundamentals of automation process control and taught how to set up instrumentation and develop supporting control logic.
- **Process Training**
MiA is used as a simulated skid in a manufacturing facility to show employees how to extract and utilize relevant company data.
- **Alarm Management**
ISA can provide training at Werner Electric Supply's Appleton location, teaching the fundamentals of the ISA 18.2 Alarm Management standard.
- **Single Day Classes**
MiA can be transported to customers' locations for a day of customized on-site training.



Processes and Systems MiA Can Replicate

MiA can replicate a variety of process scenarios and strategies found in a manufacturing plant, including:

- Flow, level, pressure and temperature control
- Cascade control and feedforward control
- Sequence control, Clean-In-Place simulation, and batch control
- Data collection and maintenance based evaluations
- Alarm management



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Instrumentation

A large portion of the instrumentation contained within MiA was donated by Werner Electric Supply vendors:

Rockwell Automation

- PlantPAx Distributed Control System
- Industrial components
- Motor control
- Networking

Arjay Automation

- Yokogawa Corporation of America – Coriolis, mag flow meters, pressure, data & analytical instrumentation
- REOTEMP – RTD temperature element

Badger Meter

- Blancett turbine flow meter
- RCV valve

Durable Controls

- Klay – pressure instrumentation
- Bray – valves

Hoffman

- Enclosure and cutouts
- SYSPEND 281-MAX system

Rosemount

- Guided wave level
- Mag flow meter

Micro Motion

- Coriolis flow meter

SMC

- EX260-SEN1 valve manifold system and components

HMS

- eWon Flexy 205
- Anybus wireless Bolt

Aparian

- Point protocol converter

Endress Hauser

- RTD temperature element

Grace Engineering

- GracePort

