



ASH Equipment Co.

"Your Process Solutions Source Since 1965"



**ASH Equipment
Sales & Support
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Sales Offices:

Illinois:

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Northern Indiana

Outside Sales Engineer:

Joe Muszalski

Office: 630-406-0300

Cell: 630-715-6637

joe@ashequipment.com

NW Illinois-Rockford
Iowa-So. Wisconsin

Outside Sales Engineer:

Jeff Anderson

Office: 815-226-9083

Cell: 630-715-6639

jeff@ashequipment.com

Wisconsin:

Milwaukee & Suburbs

Outside Sales Engineer:

Trent Borgardt

Office: 262-574-0595

Cell: 630-715-6509

trent@ashequipment.com

Wisconsin:

Appleton-Green Bay

Outside Sales Engineer:

Jason Metz

Office: 920-738-9799

Cell: 630-715-6317

jason@ashequipment.com



**PROCESS
TECHNOLOGY**



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On All Stock, Modified-Stock, and Custom Manufactured Products

Ready to Order?

800-323-5712

Placing Orders and Sales Support:

sales@ashequipment.com

Fax: 630-406-0595

Product Literature: literature@ashequipment.com

www.ashequipment.com



ASH

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*Celebrating Over
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SOLUTIONS SOURCE
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Exergen
Extech
Future Design
Glo-Quartz
Heat & Sensor
Hi-Heat
Indeco
Backer Marathon
Marsh Bellofram
Martel
Master Cast
Nexthermal
Ogden
Omega Heater
Orion
Payne Eng.
Process Tech.
Protherm
Pyromation
Salamander
Tempco
Watlow

Sensors

Thermocouples

- Tube & Wire
- MI-(Mineral Insulated)
- Base & Noble Metal
- Custom Calibrated & NIST Certified
- Explosion-proof Rated Assemblies

RTDs

- 2, 3, & 4 Wire RTDs
- Platinum & Custom Resistance
- Custom Calibrated & NIST Certified
- Explosion-proof Rated Assemblies

Thermistors

- Custom Ohm Resistance

Sanitary CIP

- Tri-Clamp, Water Tight, 16 AMP

Thermowells & Protection Tubes

- All Metal Types, Threaded, Weld-in
- Explosion-proof Rated Class I & II
- Cerrite, Ceramic, Mullite, Carbide

Penetration & Piercing

- Asphalt & Abrasion Resistant
- Food Piercing

Infrared Sensors

- Stationary, Air Cooled
- Right-angle Lens
- Hand-held

Thermal Imaging

- Hand-held Devices

Liquid Level

- Probe Sensing
- Non-contact for Plastic Tanks

Proximity

- Inductive, Photoelectric, Fiber-Optic

Power Switching

Relays 10 to 1000+ Amperages

- SSRs-Solid-state Relays Panel Mount
- SSRs-Touch-safe Din-rail Mount
- SCR-Silicon-controlled Rectifiers
- Phase-angle or Zero-cross Fired
- E-safe Hybrid Mechanical

Monitors - Alerts - Transducers

- Phase, Voltage, Current, Frequency
- OSHA Compliant UPA Power Alerts
- Current Transformers, Transmitters

Motor Protection

- High In-rush Currents
- Soft-start Protection

Hand-held Instruments

- Calibrators, Multi-meters, Clamp-on

I/O Modules, Fuses, Wire

- Din-rail Mount I/O Modules
- I²T Fuses & Din-Rail Mount Holders
- Power Wire Std. & High-temp

Temperature Controls

Open-Loop Controls

- Percent Power Controls
- Potentiometer Control

Temperature Controls

- Single-Loop PID, Auto-tuning
- Multi-Loop PID, Auto-tuning
- Ramp & Soak-Profiling
- Batch & Recipe
- Environmental/Humidity
- HMI

Temperature Limit & Alarm

- Latching, Non-Latching
- Fixed Temperature
- Smart Device Alerts
- Multi-Alarm Systems

Communication Controls

- EtherNet Based
- Modbus RTU
- HMI Touch Screens

Software

- Spec-View
- Watlow Composer with intuition
- EZ Zone Configurator

Instrumentation

Data Acquisition

- PC-Hard Drive Based
- Chart Recorders
- Strip Recorders
- HMI Control

Custom Fabricated Panels

- All sizes available
- Agency Recognized

Timers & Counters

- On-Delay, Off-Delay, Interval
- Repeat Cycle
- TDRs -Time Delay Relays
- Percentage Timers
- Totalizers

Displays

- Temperature Indicators
- Marquee Displays
- Wireless

Accessories

- Tower Lights
- Power Wire
- High Temp Wire
- Thermocouple Wire
- Protective Sleeving
- Wire Nuts
- Fuses
- Fuse Holders
- Ceramic Terminal Covers
- Watlube
- High Temperature Tape
- Load Cells
- Transducers
- High Temp Thermal Insulation Blankets

Electric Heaters

Cartridge

- Round, Square, Split-sheathed
- Custom Pressed-In Configurations

Bands

- Mica, MI, Ceramic, Radiant,
- Nozzles, Custom Configurations

Strips

- Mica, MI, Ceramic, Flexible, Finned,
- Custom Configurations, Radiant

Cable

- Coiled, Hot-Runner, Torpedo,
- Custom Formations

Flexibles

- Silicone-Rubber, Fiberglass,
- Etched-Foil, Graphite, Laminated

Cast-In

- All Custom Designs & Configurations
- Platens, Dies, Bands, Circulation

Chemical, Hazardous Materials

- Teflon, Titanium, Stainless Steel,
- Heat-Transfer Plates, Custom Coils

Immersion

- Screw Plug, Flange, Over the Side,
- Pipe-insert, ASME Certified,
- Explosion-proof Class I & II

Circulation Inline

- Screw Plug, Flange, Cast-X,
- ASME Certified, Explosion-proof
- Skid-Mounted Systems & Panels
- Fluent

Heat Exchangers

- Replacement Heaters
- AEC, Sterlco, Advantage, Thermalator

Engine Preheaters

- Booster, Caterpillar® / Cummins®

Radiant Panels & Reflectors

- Tubular, Infrared Ceramics, Quartz
- Ceramic Fiber, Coiled-Wire Elements

Tubular Elements

- Milled-Grove, Custom Formations,
- Hot-Runner, Radiant

Heat Trace Cable, Tapes & Pads

- Self-Regulating, Constant Wattage

Freeze Protection

- Condensation, Control Panel, Cabinet

Space Heaters

- Unit Heaters, Wash-down,
- Explosion & Corrosion Resistant
- Mobile Dock Heaters

Laboratory R & D

- Beaker, Crucible, High-Temperature
- Hot-air