



## **AIRTECT PLASTIC LEAK ALARM SYSTEM**



### (AIRTECT Plastic Leak Alarm System)

Where will you be when you get the call that a molding cell is down and production has stopped? Leaking Hot Runners and Machine Nozzles cause significant Down Time. Early plastic leak detection is the solution! The AIRTECT Plastic Leak Alarm System is a unique device that detects the onslaught of plastic leaks before it wreaks havoc on your machine! AIRTECT is the #1 plastic leak alarm system that provides quick R.O.I., 24 hour protection and peace of mind! Plastixs<sup>®</sup> is the exclusive distributor for AIRTECT in North America.

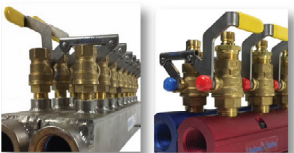
## **PLASTIXS<sup>®</sup> CUSTOM MANIFOLD ASSEMBLIES**



### **Aluminum and Stainless Steel Manifold Assemblies**

#### (Aluminum and Stainless Steel Manifold Assemblies)

Plastixs<sup>®</sup> serves each and every customer as a valued partner and our passion is providing integrated solutions that meet your most demanding industrial productivity requirements. We apply our engineering and designing expertise to deliver turnkey fluid distribution solutions and custom-built manifold assemblies for a variety of industries. All of our assemblies are designed, engineered and precisely built to your specifications, using only the highest quality components.



### **LinkedXValve<sup>™</sup> Manifold Assemblies**

#### (Compact Stainless Steel Manifolds with LinkedXValve / Aluminum Manifolds with LinkedXValve)

LinkedXValve<sup>™</sup> is a valve linkage system designed, engineered and manufactured by Plastixs<sup>®</sup>, LLC (US Patent 10,160,149 B2). The LinkedXValve<sup>™</sup> allows a single lever to operate both mold cooling supply and return lines simultaneously. It can be installed onto standard manifolds and brass ball valves giving the manifolds a reduced footprint and increased efficiency. Operators can actuate supply and return valves from a single side of the manifold assembly. The LinkedXValve<sup>™</sup> provides faster mold changes with increased productivity and fewer chances of error or downtime.



### **Aluminum and Compact Stainless Steel Manifold Assemblies with Mini Ball Valves**

#### (Compact Stainless Steel Manifolds with Mini Ball Valves / Aluminum Manifolds with Mini Ball Valves)

Plastixs<sup>®</sup> 1" and 1-1/2" Aluminum and Compact Stainless Steel Water Manifold Assemblies with (8,12,16,24 or 32 total) 3/8" NPT ports (on 1" manifolds) and 1/2" NPT ports (on 1-1/2" manifolds) with space saving mini brass ball valves. A supply and return manifold side-by-side each with 4,6,8,12 or 16 ports (8,12,16,24 or 32 total) and having 1-1/2" NPT (F) inlets on each end.



### **HiTemp Manifold Assemblies**

#### (HiTemp Manifold Assemblies)

Plastixs<sup>®</sup> HiTemp Oil and Water Manifold Assemblies are uniquely designed and engineered to meet the demands of high temperature processing where durability and reliability are key. These manifolds are integrated with special components to create a flow management system suitable for a wide range of process applications operating at higher temperatures produced by oil circulating systems.



### PLASTIXS<sup>®</sup> HITEMP HOSE AND HOSE ASSEMBLIES



[\(Plastixs<sup>®</sup> HiTemp Hose and Hose Assemblies\)](#)

Plastixs<sup>®</sup> HiTemp Hose and Hose Assemblies help meet the challenges of higher temperature molding. We integrate the highest quality products and components into an innovative solution that provides increased safety and fast return on investment. HiTemp EPDM 'Superflex' rubber hoses are highly flexible and specially designed for high temperature water applications up to 285°F. Fluoropolymer hoses with stainless steel overbraid are covered with an insulation sleeve and are rated at 450°F and 1,000 PSI. Insulated flexible metal hose are highly flexible and rated up to 600°F.

### PLASTIXS<sup>®</sup> WATER FITTINGS AND VALVES



[\(Plastixs<sup>®</sup> Water Fittings and Valves\)](#)

Plastixs<sup>®</sup> Quick Connect Brass Water Fittings and Valves are specially designed for connecting coolant lines to molds and dies quickly and easily; no tools required. Maximum working pressure is 200 psi, with temperatures up to 400°F. Interchangeable with all Series 200, 300 and 500 connectors.

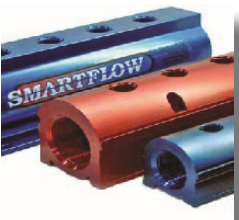
### PLASTIXS<sup>®</sup> NYLON MANIFOLDS



[\(Plastixs<sup>®</sup> Nylon Manifolds\)](#)

Plastixs<sup>®</sup> nylon manifolds are molded from a special blend of fiberglass-filled nylon material and are extremely durable and resistant to impact and corrosion. They're used for distributing air, water, lubricants or coolant and suitable for a wide range of industrial applications including injection molding, machine tooling, robotics and semi-conductor. Molded-in NPT thread design assure leak free NPT pipe connections, marked in and out and have numbered ports for easy installation and identification.

### SMARTFLOW<sup>®</sup> PRODUCTS



#### Aluminum Water Manifolds

[\(Aluminum Water Manifolds\)](#)

SMARTFLOW<sup>®</sup> Aluminium Water Manifolds offer the highest quality, one-piece extrusion with no welds. Anodized for corrosion resistance, SMARTFLOW<sup>®</sup> water manifolds provide years of trouble free service. Plastixs<sup>®</sup> is proud to be an award-winning Authorized Distributor for the complete line of SMARTFLOW<sup>®</sup> products. Manifolds are not certified for use in potable water.



#### Stainless Steel Water Manifolds

[\(Stainless Steel Water Manifolds\)](#)

SMARTFLOW<sup>®</sup> Conventional Stainless Steel Water Manifolds are formed and welded from 304 stainless steel. The manifolds are 100% leak tested for quality assurance before shipping. SMARTFLOW<sup>®</sup> stainless steel manifolds are excellent for high-flow applications where chemical compatibility and corrosion-resistance are important. Manifolds are not certified for use in potable water.



## SMARTFLOW<sup>®</sup> PRODUCTS (continued)



### Stainless Steel Water Manifolds with Low Profile Ports

([Stainless Steel Water Manifolds with Low Profile Ports](#))

SMARTFLOW<sup>®</sup> stainless steel manifolds are formed and welded from 304 stainless steel. The manifolds are 100% leak tested for quality assurance before shipping. Stainless steel manifolds with low profile ports offer an economical alternative to our conventional port manifolds. SMARTFLOW<sup>®</sup> stainless steel manifolds are excellent for high-flow applications where chemical compatibility and corrosion-resistance are important. Manifolds are not certified for use in potable water.



### Duoflow™ Water Manifolds

([Duoflow™ Water Manifolds](#))

SMARTFLOW<sup>®</sup> Duoflow™ Aluminum Water Manifolds are divided internally and anodized red on one end and blue on the other to denote supply and return on a single compact unit. Ports are positioned along both left and right sides at 45 degrees. Port spacing is narrow for installation of optional hose barbs or quick disconnect fittings. Mounting screws included. Manifolds are not certified for use in potable water.



### Flowmeters (Mechanical and Electronic)

([Flowmeters - Mechanical and Electronic](#))

SMARTFLOW<sup>®</sup> flowmeters effectively and accurately measure flow rate. Available in mechanical, and electronic version and with a number of options including thermometers, pressure gauges, liquid-filled pressure gauges and quick change socket and plug. Electronic flowmeters featuring FCI (Flow Characteristic Indicator).



### SWAP® Valves

([SWAP® Valves](#))

SMARTFLOW<sup>®</sup> SWAP® Valves are simple, manually selectable devices that supply cooling water to the mold during processing or air to purge the water from the mold before a mold change. Available in Molded Body with External Glass-Filled Nylon Plates and Brass Body Options, both providing improved corrosion resistance. Optional TACO<sup>®</sup> 4900 Air Separator is recommended for use in closed loop water systems.



### Flow Regulators

([Flow Regulators](#))

SMARTFLOW<sup>®</sup> brass flow regulators incorporate the proven mechanical flowmeter and integral needle valve in a single compact design. Very few moving parts improve reliability and leak-free operation. Also, available in a Delta-Q<sup>®</sup> version, this flow regulator is a low-cost precision flow regulator module that can be used in conjunction with other SMARTFLOW<sup>®</sup> components. The Delta-Q<sup>®</sup> allows full adjustability of flow volume from unrestricted flow to complete shut-off using the manual flow control knob.



### Mold Temperature Regulators

([Mold Temperature Regulators](#))

SMARTFLOW<sup>®</sup> Mold Temperature Regulators effectively control mold cooling water temperatures between 80°F and 120°F to maintain a steady mold temperature. Installed to control water flow exiting an injection mold, the Mold Temperature Regulator quietly recovers waste heat from the resin shot, working without electricity to reduce shop floor clutter and cut production costs.





## SMARTFLOW<sup>®</sup> PRODUCTS (continued)



### FasTie<sup>®</sup> Quick Ejector Tie-In System

([FasTie<sup>®</sup> Quick Ejector Tie-In System](#))

SMARTFLOW<sup>®</sup> FasTie<sup>®</sup> Quick Ejector Tie-In System quickly “ties-in” the mold ejector plate to the press ejection system in an injection molding press, dramatically reducing mold change time. Ideal for presses where space is limited and the ejector system is difficult to tie in using solid knock-out bars. System includes couplers, studs, center ejector bars and adapters, adjustable and fixed length ejector bars and air manifold.



### Limit Switches

([Limit Switches](#))

SMARTFLOW<sup>®</sup> Limit Switches are the benchmark switches in the injection molding industry. Molders rely on them to provide dependable position indication and protection for valuable injection molds. These products provide cost effective and reliable solutions by verifying ejector plate return and preventing premature movement of machine components.

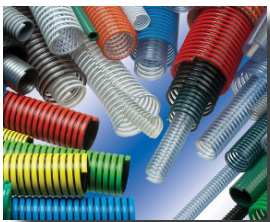
## SLIDE<sup>®</sup> PRODUCTS



([SLIDE<sup>®</sup> Products](#))

SLIDE<sup>®</sup> products help you to optimize cycle times, eliminate part defects, minimize downtime, and eliminate profit-killing plastics processing obstacles with high-quality, specialized mold releases, cleaners, high-temperature grease, and purging compounds. Boost your processing efficiency, profitability and environmental responsibility by upgrading to SLIDE<sup>®</sup> products and eliminate the costs hiding behind the status quo. If you don't want it to stick, make it SLIDE<sup>®</sup>!

## TIGERFLEX<sup>®</sup> INDUSTRIAL HOSE



([Tigerflex<sup>®</sup> Industrial Hose](#))

Tigerflex<sup>®</sup> industrial hose is manufactured in the USA by Tigerflex<sup>®</sup> Corporation and distributed by Kuriyama of America, Inc. - a world leader in industrial hoses of all types. Our expansive product line consist of thermoplastic, rubber and metal hose products, including PVC, urethane, rubber, FDA, and provides a wide range of properties from antistatic to abrasion resistant, from food grade to withstanding low and high temperature applications and environments. Tigerflex<sup>®</sup> industrial hose supports a wide range of industries and applications and has a product to suit almost every need!

## KURI TEC<sup>®</sup> THERMOPLASTIC HOSE AND TUBING

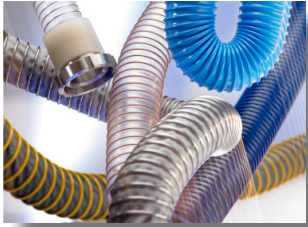


([Kuri Tec<sup>®</sup> Thermoplastic Hose and Tubing](#))

Kuri Tec<sup>®</sup> hose and tubing is manufactured by Kuriyama<sup>®</sup> in ISO 9001-2000 registered facilities in the United States and Canada. Kuriyama<sup>®</sup> is a leader in thermoplastic hose innovation and manufacturing. Kuri Tec<sup>®</sup> hose and tubing provides a wide range of properties from antistatic to abrasion resistant, from food grade to withstanding low and high temperature applications and environments. Kuri Tec<sup>®</sup> hose and tubing supports a wide range of industries and applications.



### NORRES INDUSTRIAL HOSE



#### (NORRES Industrial Hose)

Founded in 1889, NORRES has more than 130 years of experience and tradition. NORRES is a global player and leading manufacturer of technical hoses and hose systems: Highly abrasion resistant polyurethane hoses, suction and transport hoses from PVC, TPE, PE, EVA, to silicone, etc., high temperature hoses, electrically conductive and antistatic hoses, connecting elements and accessories, many certified products (e.g. ATEX Directive, EU Directives, FDA compliance, UL approvals and numerous others, customized solutions). NORRES products are available as suction and transport hoses and for a variety of industries and applications from food and pharmaceutical to agriculture, from wood and plastics to sewage plants.

### KURIYAMA<sup>®</sup> LAYFLAT DISCHARGE HOSE



#### (Kuriyama<sup>®</sup> Layflat Discharge Hose)

Kuriyama<sup>®</sup> layflat discharge hoses feature premium quality PVC tube and are used for water discharge in industrial and construction applications. Layflat discharge hoses resist kinking and twisting and roll up flat for easy storage. Layflat discharge hose has many beneficial and valuable properties such as heavy duty PVC, polyester yarn reinforcement, oil and weather resistance, mildew resistance and more!

### KURIYAMA<sup>®</sup> AIR/WATER AND PUSH-ON RUBBER HOSE



#### (Kuriyama<sup>®</sup> Air/Water and Push-On Hose)

Kuriyama<sup>®</sup> Air/Water and Push-On rubber hoses feature a premium PVC and Nitrile blend and are used in a wide array of industrial and construction applications, such as air tools, low pressure pneumatic and hydraulic systems, lubricating oils, diesel fuels, robotic welders, water lines in the plastic molding industry and more.

### HOSE COUPLINGS AND ACCESSORIES



#### (Hose Couplings and Accessories)

Hose couplings and accessories are available in a variety of options, styles and materials for industrial hose applications. Materials include aluminum, stainless steel, zinc-plated carbon steel, brass, polypropylene and glass-reinforced nylon. Styles include camlock, quick connect, full flow swivel couplings, push-on, EZ Seal<sup>™</sup> leak resistant, combination hose nipples, spiral clamps, double-bolt clamps, reducing couplings and more!



### MORRIS COUPLINGS, TUBING, PIPES AND BENDS



#### (Morris Couplings, Tubing, Pipes and Bends)

Morris Coupling is the world's leading manufacturer and supplier of components for pneumatic conveying systems, such as the "original" Morris compression couplings, gripper couplings, pipe, tubing, bends, laterals, wyes, tees, and more. Plastixs<sup>®</sup> represents the full line of Morris Coupling products.

### PLASTIXS<sup>®</sup> DATE CODE INSERTS



#### (Plastixs<sup>®</sup> Date Code Inserts)

Plastixs<sup>®</sup> Date Code Inserts are uniquely designed to provide trouble-free indexing. Designed for long term use in both plastic and rubber molding environments where heat, mold releases and rubber flash cause other date code inserts to fail. All date code parts are made to order and are non-returnable.

### PLASTIXS<sup>®</sup> EJECTOR PINS



#### (Plastixs<sup>®</sup> Ejector Pins)

Plastixs<sup>®</sup> offers a complete line of precision ejector pins in H-13 standard or through-hardened steel. A wide range of standard American inch and metric sized ejector pins are available for immediate shipment. Custom capabilities are also available: Plastixs<sup>®</sup> offers an extensive variety of specialty ejector pins in various styles, sizes and materials. If your application requires a custom configuration, please submit a [Request for Quote](#) with your drawing or specifications for a prompt quotation. Minimum quantity order may apply.

### EPIC INDUSTRIAL CONNECTORS



#### (EPIC Industrial Connectors)

These robust receptacles, plugs, inserts, hoods, bases and housings are for hot runner manifolds, robot interfaces, and power and thermocouple connections for plastics and general industrial applications. They are the choice quick connect and disconnect technology for all power and control connector circuits where performance, security, reliability and durability are key requirements.

### POWERTECH CABLES AND CONNECTORS



#### (PowerTech Cables and Connectors)

At Plastixs<sup>®</sup>, we are experts in hot runner control cables and mold mounted connector systems. We have over 25 years experience selling, servicing and interfacing Gammaflux hot runner controllers throughout New England. Standard configurations of PowerTech control cables and mold connector interface boxes are available for quick delivery.





### MOLD CLAMP ASSEMBLIES



#### (Mold Clamp Assemblies)

As the pioneers of the swivel base adjusting screw, our HTC Tops-All products now offer the most complete line of injection mold clamp assemblies available. There are four styles in twenty-five sizes. The exclusive swivel base screw permits fast, sure adjustments, protects platen against scoring, eliminates threaded bolt hole distortions and reduces setup time. With a tilting action, the swivel base even adjusts to uneven platen surfaces.

### MOLDSHIELDS™



#### (Moldshields™)

Stop contamination, increase productivity, great R.O.I.! Moldshields™ are crystal clear plastic mold side curtains that prevent parts from scattering while allowing you to observe the molding area and monitor parts production. As the mold opens and closes, the mold shield correspondingly unwinds and recoils with each press cycle. Moldshields™ have an in-service life expectancy of 3 million cycles, reduce scrap and increase good output, are easily mounted to the mold or platen with high-strength magnets or can be mounted permanently to the molding machine. Maximum operating temperature is 250°F. Opening width is standard 24" on all Moldshields™, but available in various heights. Each kit contains two side curtains, mounting hardware and magnets

### MOLD CHUTES AND MOLD SKIRTS



#### (Mold Chutes and Mold Skirts)

Mold chutes and mold skirts direct molded parts into the drop zone, reducing waste and increasing profits. They're made of soft, durable vinyl with a sturdy PVC bottom lining and are easily attached and removed from the molding machine using magnets and Velcro straps. Right Angle Mold Chutes have a side exit delivery. InLine and custom styles are also available. Straight or tapered Mold Skirts are available when a chute is not required. Mold chutes and mold skirts are abrasion, puncture and tear resistant and are easily cleaned with simple household cleaner. Maximum operating temperature of 230°F. Includes all hardware (magnets and Velcro straps for each corner). For a custom quote, please complete the required form: [Right Angle Mold Chute](#), [InLine Mold Chute](#), [Tapered Mold Skirt](#) or [Straight Mold Skirt](#).

### GAYLORD COVERS AND DRUM COVERS

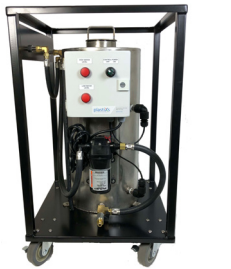


#### (Gaylord Covers and Drum Covers)

Increase profits by eliminating material contamination. Gaylord covers and drum covers are made of a heavy weight breathable polypropylene vinyl material that is USDA approved. Gaylord covers are available as standard covers for negative pressure and include a clear viewing window, (2) elastized wand openings, magnets and Velcro straps; or positive pressure covers (for re-grind applications) that include a clear viewing window, (1) elastized wand opening, Velcro straps, extra long sides and belt and buckle for a secure fit. Drum covers are one size fits all drums from 19" up to 23.5" diameters and include a viewing window. For a custom quote, please complete the required form: [Square Gaylord Cover](#), [Octagon Gaylord Cover](#) or [Drum Cover](#).



### PLASTIXS<sup>®</sup> X-PURE WATER SUPPLY SYSTEM



#### (Plastixs<sup>®</sup> X-PURE Water Supply System)

Plant water used in plastic injection molding facilities can be full of contaminants, including minerals (primarily scale causing calcium). As temperatures and pressure increase in the new generation of high-temperature water circulation units, these contaminants are forced out of the water and “plate out” on molds and machinery. This causes damage and decreases heat transfer, emphasizing the need for these units to operate with clean, distilled water treated for high-temperature operation. X-PURE Water Supply System, designed, engineered and manufactured by Plastixs<sup>®</sup>, was developed as a compact and cost-effective solution for eliminating these contaminants by supplying clean, distilled water for use in high-temperature water units. When used as recommended, X-PURE is 100% effective in preventing contaminants from damaging expensive molds and machinery that operate with water at 300°F–450°F.

### RECHNER SENSORS



#### (Rechner Sensors)

Rechner Sensors specialize in capacitive sensing technology for automation, level control and quality control applications. Rechner Sensors offer the most innovative sensor technology and unsurpassed quality. Whether level control or position detection, with more than 1500 models and over 50 years of experience, and a host of different dimensions and process connections, Rechner Sensors have the right sensor for you.

### KIC SINTERED VENTS



#### (KIC Sintered Vents)

KIC Sintered Vents are composed of several straight and uniform pores, allowing air or gas that gets trapped inside the mold cavity during injection or die casting processes, to escape freely. Vents act like release windows, while keeping in the molten material. To optimize mold design and reduce the possibility of manufacturing defective parts, specify strategically placed insertion points to hold the vents. Vents with a pore diameter of 0.3mm to 0.5mm are ideal for low pressure and gravity die casting parts. Vents with ultra fine pores (0.03mm to 0.1mm) are typically specified for plastic injection mold applications.

### MAGNOM MAGNETIC WATER FILTERS



#### (Magmom Magnetic Water Filters)

Magmom<sup>™</sup> Magnetic Water Filters extract abrasive ferrous particles from fluid systems - removing the major cause of wear, performance drop, system failure and product damage. The award winning design of the Magmom<sup>™</sup> leads directly to enhanced performance and substantial bottom line benefits with rapid R.O.I.





### TRIPLE R OIL FILTER ELEMENTS



#### (Triple R Oil Filter Elements)

Triple R Oil Filter Elements remove particles down to 2 $\mu$ , water and oxidation residues. Designed to cleanse industrial oils, removing everything from solid particles, water and sludge to varnish and oxidation residues, all within a single element.

### IONIX STATIC ELIMINATORS



#### (Ionix Static Eliminators)

Ionix Static Eliminators are installed in a compressed air line blowing onto the surface or into spaces in which you are trying to eliminate static. This can be a hand held air line, an automated blow off air line or air separating mechanical feeding system. This new technology allows compressed air to act as an electrical conductor after being forced through the Ionix unit. Ionix eliminates static charges on surfaces by providing a non-destructive dissipative path through the treated air to the attracting opposing electrical charge or electrical ground.

### UNITHERM INSULATION SYSTEMS



#### (UniTherm Insulation Systems)

UniTherm Insulation Systems offers high temperature insulation solutions proven to lower your energy bills, increase product efficiency, protect your employees, and lower ambient air temperatures. Machine insulation projects offer fast payback and high ROI. You also do not need to shut down machines to measure, resulting in less down-time than other projects. Payback is less than 12-months and the ongoing energy savings equal thousands of dollars each year. We offer off-the-shelf blankets, cut to standard length and width, that fit a range of applications. We also offer custom insulation solutions for any shape or any other specification to fit your equipment. Products include UniVest<sup>®</sup> Insulation Jackets and Throw Blankets, ISOCOVERS Insulation Systems, FreezePro<sup>®</sup> Frost Protection Systems, and UniVest<sup>®</sup> Drool Shields and Straps & Buckles.

### ATI QUICK-CHANGE-ROBOTIC AUTOMATIC TOOL CHANGERS



#### (ATI Quick-Change-Robotic Automatic Tool Changers)

Quick-Change-Robotic Automatic Tool Changers provide added flexibility to robot applications by allowing one robot to change end-effectors automatically, such as grippers and vacuum tooling. The Quick-Change products are pneumatically-operated devices consisting of a Master Plate and Tool Plate using a patented Rc58 stainless steel locking mechanism. Add-on utility modules provide electrical pass-through of discrete lines, high power and servo signals, as well as air, vacuum, and fluid pass-through.



### SPIRAL PROTECTIVE WRAP



(Spiral Protective Wrap)

Spiral Protective Wrap is an HDPE (High Density Polyethylene) protective wrap designed for heavy duty bundling and protection of water, hydraulic and pneumatic hoses. Protects against production losses and damage caused by abrasion or severe working environments.

### ELMASONIC ULTRASONIC CLEANING UNITS



(Elmasonic Ultrasonic Cleaning Units)

Elma provides the most powerful and dependable professional ultrasonic cleaning units for mold cleaning operations, industrial, aerospace, automotive, production, medical and laboratory environments. The Elmasonic units are used to effectively and efficiently remove dirt and other contamination in the shortest time possible, as well as providing pre-sterilization and preventing cross-contamination. The Elmasonic units are strong enough to remove contaminants, such as oil, grease, carbon deposits, residual polymers, rubber, latex and release agents adhering to substrates like metals, plastics, glass, rubber and ceramic, yet gentle enough to safely clean delicate electronics with eco-friendly solutions.

### PARATHERM<sup>™</sup> HEAT TRANSFER FLUIDS



(Paratherm<sup>™</sup> Heat Transfer Fluids)

For temperature control in molding, extrusion, press heating, line tracing, and coating rolls, Paratherm<sup>™</sup> Corporation manufactures several specialized heat transfer fluids and a liquid cleaner for hot-oil units.

### OUR BRANDS

