• thermopulse  HOT MELT AND COLD ADHESIVE SYSTEMS
• electromatic  AUTOMATIC APPLICATOR HEADS

• ISO 9003 CERTIFIED •

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Call (800) 327-4985 to solve your adhesive application problems.
SPRAY WHO?  (A brief history of Spraymation)

SPRAYMATION, INC., is a manufacturer of electromechanical machinery, consisting of equipment for the application of hot melts, cold adhesives, and related fluids for industrial applications in packaging, product assembly, non-wovens, and converting operations. Spraymation began in New Jersey in 1958 and moved its headquarters to Fort Lauderdale, Florida in 1978 where our primary manufacturing center is located.

Almost every conceivable industry requires adhesive or fluid application equipment, which we supply directly to the end users and/or OEM’s who purchase such equipment for installation on machinery they manufacture.

In Spraymation’s early years, we recognized the need for accurate, repeatable and positive dispensing of materials. This resulted in the design and patent of the ELECTROMATIC Applicator Head series, which today is the major component in all Spraymation application systems. The Electromatic has provided high speed operation, combined with low maintenance, increased efficiency and greater productivity! Early versions of the Electromatic Applicator Head were not heated, and were used for applying cold adhesives, marking fluids, perfumes and other similar fluids. The advent of the use of thermoplastic, or hot melt materials, offered the opportunity for a complete application system, which became known as our THERMOPULSE systems.

Hot melt materials are used in nearly all industries wherever quick setting is required. We work with adhesive manufacturers worldwide, utilizing their products in the wide variety of equipment available from Spraymation. As well as standard equipment, that meets a variety of needs, much of our business is concerned with providing “custom designed” equipment to meet a user’s particular requirement. This involves close communication between our engineering department and field sales engineers, to provide specialized equipment which often becomes an accepted standard for what was once a difficult or problem application. Various patterns can be applied, such as dots, lines, multiple lines or dots, airless spray, air atomizing spray, air dispersed (swirl) and slot coating.

Cold adhesives and similar fluids are applied with a Spraymation Low Pressure Dispensing System, including ASME Pressure Tanks, or our High Pressure Pumping Systems, up to 2,500 PSI, all featuring Stainless Steel construction. Complete systems are available with “CE” compliance, as required. High speed DC Pattern Controllers support all Spraymation systems, with adjustability in “0.1” millisecond increments, providing exacting pattern placement.

We offer capabilities and solutions, unmatched in the industry today! We market our products throughout the world, with direct sales personnel in many principle cities in the USA, and distributors/agents overseas. Upon reviewing the following equipment summaries, you will quickly discover why SPRAYMATION has become the choice in the industry today. Call us toll free at...1-800-327-4985 for more details and a proposal for a complete system to meet your adhesive or fluid application needs!

Spraymation, Inc.   Tel: 800-327-4985   Fax: 954-484-9778   E-mail: sales@spraymation.com
The most important component of any hot melt, cold adhesive or fluid dispensing system is the applicator head. Regardless of the equipment that delivers the material to the head, it is the applicator head, and its tip, that determines that you apply the correct amount, at the right temperature (if heated), at the exact required time, and at a high speed for millions of operations without deviation.

Only the ELECTROMATIC applicator head will insure of this performance. Spraymation, Inc. developed and pioneered the use of direct electrically actuated heads over 30 years ago. The Electromatic design is used in the majority of Spraymation’s applicator heads. For applications where high volume or high viscosity is required, we offer a complete series of pneumatically operated heads, with unique design features beyond the ordinary heads, built with the same precision and design that the ELECTROMATIC heads have been known for, for years. As well as our standard solenoid operated heads, we offer miniature and larger size heads to meet every user application need.

Here is the ELECTROMATIC head --- the components most responsible for Spraymation’s high degree of success in adhesive and other similar material applications. It is measurably faster than any other applicator head in the industry today! It is ruggedly constructed of stainless steel for long, trouble-free operation. There is only ONE moving part. All working parts can be quickly and easily removed in seconds, without the need to remove the entire head from the line. The Electromatic is a completely dripless design --- no matter how fast the speed of operation.

In conjunction with suitable DC Pattern Controllers, the Electromatic head will dispense dots, or lines (continuous or interrupted) with extreme accuracy, since the built-in solenoid coil provides the necessary actuation force without the need for any additional valves or air pressure for operation. There are no packings or seals to degrade and require replacement. Heated units include RTD sensors for close temperature control, located adjacent to the fluid path.

Typical uses for the Electromatic heads are endless, and include applying adhesives, precise spots of marking ink, extremely small amounts of perfumes, metering of waxes and cosmetics, dispensing potting compounds, or high volume of material at controlled temperatures, and MORE!

That’s ELECTROMATIC. Available in a variety of models. . . to meet your specific needs.
**ELECTROMATIC X**
Extrusion/Spray - designed for dispensing single or multiple dots or beads of hot melt adhesives, waxes, coatings and other thermoplastic materials. No air needed for operation. Models available with .032” or .052” seat orifice: 120 VAC or 24 VDC coils; 240 VAC or 120 VAC heaters. Temperatures to 450°F. See SL-133.

**ELECTROMATIC XXXI**
Extrusion - similar to the Electromatic X, in a Handgun model, for manually dispensing dots, beads, or lines, available for use with all Thermopulse hot melt, tank/pump units. Tip orifice sizes to .050”. See SL-236.

**ELECTROMATIC XIX**
Air Dispersed - designed to apply a “filament type cone shaped, spray pattern”, which will usually range from 3/8” to 1-1/2” wide. A rotating cone of air from the air cap surrounds the fluid as it exits the nozzle and material is deposited in a circular, cone, (swirl), pattern. See SL-317 and SL-352.

**ELECTROMATIC XII**
Air Dispersed - similar to the Electromatic XIX in a Handgun model, to apply a “filament type cone shaped, spray pattern” which will usually range from 3/8’ and wider, dependent on the material dispensed, temperature, distance from substrate and fluid and air pressures. See SL-317.

**ELECTROMATIC XX**
Extrusion - multiple outlet head version of the Electromatic X, for dispensing multiple lines or dots, with two or more outlets, with minimum center distances of one inch, using one fluid supply hose, offering independent operation of each outlet. Standard centers and special models available. See SL-173A.

**ELECTROMATIC XXI**
Slot Coating - to apply continuous, even “ribbon-like” patterns, determined by slot plate width, with no shims. The nozzle is in direct contact with the substrate, allowing for thin uniform coverage. Standard pattern widths from 2” to 12”. Special Slot Tips for use with Electromatic X Applicator Heads provide narrow widths to 1/8”. See SL-265.

**ELECTROMATIC XXVI**
External Air Atomizing - a spray pattern from 1/4” diameter, to a 12” wide fan pattern, ranging from a fine mist to heavy coat, by mixing air (in some instances, heated), and fluid as it exits the spray head. Temperatures to 250°F. See SL-375.

**ELECTROMATIC XXIX**
Internal Air Atomizing - to spray small amounts, of heated fluids ranging from 1/8” to 1/2” wide, by mixing air (in some instances heated), with the fluid prior to being expelled from the nozzle, producing a fine mist pattern. Temperatures to 450°F. See SL-325.
Special Applicators

Spraymation will custom design and build an Electromatic Applicator Head to meet you specific needs. Contact us with the requirements, and we will promptly provide you with a detailed proposal!

**ELECTROMATIC XXX**
Extrusion - multiple outlet head, to dispense simultaneous dots, or beads of hot melt and other similar fluids’ Up to five outlets with center distances as close as .250”. Each applicator head is custom designed to meet the user’s exact requirements. Contact Spraymation for details.

**ELECTROMATIC XIX**
Multiple Outlet Air Dispersed Applicator Head to apply swirl spray patterns. Center distances to meet specific application. Additional rows of outlets, provide for closer centers. Independent or simultaneous operation of each outlet. Special UFAD models for “Ultra Fine” swirl spray patterns. See SL-352.

Air Operated Applicators
Spraymation Air Operated Electromatic Applicator Heads are designed for use in applications for hot or cold materials, where the standard, electrically operated, type heads are not suitable, such as when using high viscosity adhesives or fluids, or when dispensing flammable materials. They are “air open and air close”, to assure rapid operation and clean pattern start-up and cut-off. The heads are also suitable where independent operation of each outlet is not required or when the Applicator is operated continuously. Single and multiple outlet models, (with centers as close as one inch), are available, to dispense dots, lines, beads, air atomized spray and slot coating patterns, similar to our standard Electromatic series. Contact Spraymation for complete details.
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thermopulse Hot Melt Systems

All Spraymation systems are tested with the adhesive you selected for your application, prior to shipment. This insures that all functions of your system will operate as proposed, and provide minimal installation, upon delivery. You are welcome to visit our facility, to observe the operation of your unit, prior to shipment.

3900 Series

The 3900 Series Thermopulse Hot Melt Unit includes a 5-gallon (40 pound) “melt-on-demand” reservoir and a positive displacement, DC motor driven gear pump. It can be used with up to four (4) Automatic or Handgun Electromatic Applicator Heads, and hoses. Pressure is held constant to within ±5%, via a closed-loop electronic control system. Pressure is constantly displayed on an LED readout. An optional automatic Run-Up control is available to automatically increase or decrease pump output with changes in user’s parent machine speed.

A MICROTEMP microprocessor based temperature control assures precise temperatures to ±1°F in each zone. User functions include SCAN, MONITOR, CHANGE, LIMIT, TROUBLE, and SETBACK. See SL-390.

System Voltage: 200 - 240 VAC - three phase
Tank Capacity: 5 gallon (40 lbs.)
Melt Rate: 32 lbs./hr.
Hose Options: 1-4 - 4’ to 20’ long
Gun Options: 1-4 handgun or automatic
Pump/Motor: gear pump/variable speed DC常压、电子控制
Pump Rate: 132 lbs./hr.
Temperature Control: MICROTEMP proportional (10 zones)
Temperature Range: 100 - 450°F (±1°F)

1900 Series

The 1900 Series Thermopulse Hot Melt Unit includes a 2 1/2-gallon (20 pound) “melt-on-demand” reservoir and a positive displacement, DC motor driven gear pump. It is available for use with 1-4 Electromatic Automatic or Handgun Applicators. All units include electrically driven, gear type pumping system, controlled by adjustable potentiometer, for setting motor speed to increase or decrease pump output. Each gun, hose, and tank/pump areas are fitted with RTD temperature sensors, with individual temperature controller, including digital readout for monitoring/setting of each zone, which can be programmed to “scan” or view each zone. Standard, is a set back function, which lowers all zone temperatures during idle production periods, without totally powering down the system. An optional automatic Run-Up control is available to automatically increase or decrease pump output with changes in user’s parent machine speed. See SL-286.

System Voltage: 240 VAC - single phase
Tank Capacity: 2.5 gallon (20 lbs.)
Melt Rate: 15 lbs./hr.
Hose Options: 1-4 - 4’ to 20’ long
Gun Options: 1-4 handgun or automatic
Pump/Motor: gear pump/variable speed DC常压、电子控制
Pump Rate: 102 lbs./hr.
Temperature Control: time proportional (9 zones)
Temperature Range: 100 - 450°F (±1%)
960 Series

The 960 Series Thermopulse Hot Melt Unit consists of a one (1) gallon (8 pound) heated reservoir and a rugged, electric motor driven positive displacement gear pump constructed of cast iron and steel. The unit features adjustable proportioning type temperature controllers, accurate to ±1%, complete with digital display (150-420°F), for independent control of the applicator head, hose and tank areas. The unit can be used with one (1) Electromatic Automatic Applicator Head or manual Handgun. See SL-397.

- **System Voltage:** 120 VAC 60 Hz - single phase
- **Tank Capacity:** 1 gallon (8 lbs.)
- **Melt Rate:** 5.8 lbs./hr.
- **Hose Options:** one - 4’ or 8’ long
- **Gun Options:** one - handgun or automatic
- **Pump/Motor:** gear pump/variable speed AC
- **Pump Rate:** 32 lbs./hr.
- **Temperature Control:** time proportional (3 zones)
- **Temperature Range:** 150 - 420°F (±1%)

Bulk and Special

Spraymation will design and build a custom engineered system to solve your adhesive or fluid dispensing problems!

Standard systems are available with capacities from 4 ounces to 800 pounds, hoses up to 40 feet long, single or multiple outlet applicator heads, melt rates to 300 pounds per hour and pressures to 2,000 PSI. Custom systems can be engineered to meet exact application specifications.

**Pre-Melters:**

Special melt-on-demand reservoirs from 50 pound capacity and up, with single or multiple externally heated fluid hoses.

Complete systems may include various reservoir capacities, to meet usage demands, and special applicator head designs for single or multiple dispensing!
Temperature Controls

REMOTE TEMPERATURE CONTROL
All Remote Temperature Control units include solid state, fail safe, proportional type temperature controls. They are designed for use with high speed Electromatic Applicator Heads and Hoses fitted with RTD sensors, 120 VAC heaters and coils, for use with existing hot melt systems, to replace conventional air operated heads. Both standard models and units available with digital temperature display, which may be fitted with DC Gun Driver Modules, allow the user’s existing pattern controller, with 24 VDC output, to control the “on time” of the Electromatic heads. All models include Auto/Off/Test switches, and power On/Off switch. Temperature ranges are adjustable from 150-450° F. See SL-191.

The MICROTEMP Microprocessor based Temperature Control System is of solid state construction, and is available in modular form. The unit provides the necessary control signals for Electromatic Applicator Heads, Hoses, Tank areas, Pumps, etc, to provide continuous LED digital readouts by scanning through each zone and displaying the temperature of each area. Accuracy is maintained to ±1° F. The settings are easily made by keypad entry and provides user functions and features for: Scan, Monitor, Change, Enter, Limit, Trouble and Setback. The system is fail safe, preventing any possible damage to RTD sensors or heaters and provides diagnostic readout information. The standard MICROTEMP unit is capable of monitoring and controlling 10 zones. Additional PC boards can be installed in the field, to add more control zones, increasing the capability of controlling up to 100 individual zones. See SL-390.

Gun Conversion Kits

Spraymation Gun Conversion Kits provide an easily made installation to “specific”, existing hot melt systems. Each kit includes the benefits of our “exclusive” Electromatic Applicator Head, which provides fast, repeatable operation, positive shut off and low maintenance, to replace existing air operated heads. Each kit also includes a special conversion cable with 5 pin electrical connector which allows for direct attachment to the existing hot melt adhesive fluid hose and gun electrical connector, with minimal effort. No additional wiring is required! A gun/hose adapter is also provided. Control of the adhesive pattern by the Electromatic head is provided by the user's existing pattern controller (5-28 VDC output signal), previously used to control the air solenoid valve of the air operated head. The Gun Driver Assembly is contained in a steel, gasketed enclosure, including Auto/Off/Test switch for each Electromatic head, and power On/Off switch with indicator light. Standard models are available for one, two, or four applicator head systems. Special models upon request. See SL-403.
**ELECTROMATIC 130 and 330 Series Miniature Applicator Heads**

Available in extrusion and air atomizing spray models, for use in fluid dispensing applications. They weigh less than 6 ounces, presenting no stress to traversing apparatus, but deliver the dispensing accuracy and reliability of the SPRAYMATION standard ELECTROMATIC Series Applicator Heads for over 30 years. Refer to sales literature SL-387 and SL-388 for complete details and specifications.

**ELECTROMATIC XV**

Extrusion - for dispensing single or multiple dots or beads of cold adhesives or other similar fluids. No air needed for operation. Models available with .032" or .052" seat orifice; 120VAC or 24VDC coils. See SL-134.

**ELECTROMATIC XV**

Airless Spray - fitted with airless spray nozzles, for spraying cold adhesives and other similar fluids involving water-like materials. Pattern widths from 4" to 12". Applicator will typically require the use of a high pressure pumping system. Optional coils and seat orifice sizes available. See SL-134.

**ELECTROMATIC XXIV**

External Air Atomizing - a spray pattern ranging from 1/4" diameter cone to a 12" wide flat fan pattern, ranging from a fine mist to heavy wet coats, by mixing air and fluid as it exits the spray head, for use with cold low viscosity fluids, such as light adhesives, silicones, lubricants, inks, etc. See SL-374.

**ELECTROMATIC XXV**

Extrusion - multiple outlet head version of the Electromatic XV, for dispensing multiple lines or dots, with two or more outlets, with minimum center distances of one inch, using one fluid supply hose, offering independent operation of each outlet. Standard centers and special models available. See SL-173A.

**Special Applicators offering SOLUTIONS to meet your needs...**

**ELECTROMATIC XV**

Light weight Applicator with conduit body. See SL-134.

**ELECTROMATIC XXXV**

Multiple outlet head, with centers as close as .250".

**ELECTROMATIC XV**

Four inch extension for can coating or where space limitations exist.

**Miniature Applicators**

Model 130 Series (extrusion) See SL-387.

Model 330 Series (spray) See SL-388.

The ELECTROMATIC 130 and 330 Series Miniature Applicator Heads are available in extrusion and air atomizing spray models, for use in your fluid dispensing applications. Weighing less than 6 ounces, they present no stress to traversing apparatus, however they deliver the dispensing accuracy and reliability that the SPRAYMATION standard ELECTROMATIC Series Applicator Heads have maintained for over 30 years. Refer to sales literature SL-387 and SL-388 for complete details and specifications.
Spraymation ASME approved, Stainless Steel Pressure Tanks, for use with unheated fluids, are available in capacities of 2, 5, and 10 gallons. They are available with optional low level float switch, for connection to your equipment for alarm or monitoring purposes, and adjustable speed agitators. All ASME tanks have a maximum working pressure of 100 PSI. They are suitable for use with ELECTROMATIC XV, XXV, XXIV, IX, and XXXV Applicator Heads, in conjunction with Spraymation DC Pattern Controllers, or DC Power Supply units.

Standard cover gasket material and quick disconnect fitting seals are Ethylene Propylene (EPDM), which is compatible with most fluids used with these tanks. It is not recommended for use with petroleum oils, or hydrocarbon solvent lubricants. Optional gasket material is Fluorocarbon elastomer, usually compatible with most fragrance compounds or for materials not compatible with EPDM. Special gasket and seal materials are available for engineered solutions.

Tanks with agitators are recommended when applying fluids that have solids that should be kept in suspension, or that must remain as a homogeneous mixture. Agitation is provided by a removable, adjustable speed air motor assembly, which rotates a stainless steel shaft and propeller, to ensure optimum stirring conditions.

Optional precision Air Pressure Regulator Assemblies, with on/off switch, are available for use with all Spraymation tanks. Special and “CE” approved tanks are also available to meet every need. See SL-199.

The system shown includes a 2 Gallon ASME Pressure Tank, with precision air regulator and gauge, quick disconnects for the air and fluid, two fluid hoses, two in-line gun filters (100 mesh), two Electromatic XV Applicator Heads, with Stainless Steel extrusion tips, (Electromatic 130 or 330 Series Miniature Applicator Heads may also be suitable for specific applications), two Applicator Cables and one DC Pattern Controller for the independent operation of the two Applicator Heads, via a user supplied actuation signal.
Spraymation 388000 Series Stainless Steel Pumping Systems are recommended for water based and solvent based materials. Ratios of 50:1, 20:1 and 5:1 are available, for use with a 55 gallon drum, 5 gallon pail or wall mount version, which includes mounting bracket, siphon hose and siphon tube for use with user’s container or tote. Maximum fluid pressure is 2500 PSI. All wetted parts are of stainless steel construction. All models include a high pressure stainless steel output filter (100 mesh), inlet suction filter, air regulator, air gauge, air on/off control valve, and air line lubricator. Standard models use one 78047 series type hose, stainless steel jacketed, Teflon lined. For multiple hose use, a hose manifold for use with 1-4 hoses is available. All pumps are air operated, reciprocating type, suitable for continuous or intermittent operation with Electromatic XV, XXV and Air Operated Applicator Heads, for extrusion or airless spray applications. In most cases, 10-50 PSI of compressed plant air is required for operation. See SL-203A

**Typical Maximum Delivery Rates/Pressures of Pumps**
(dependent on material used)

50:1 ... 1.25 gallons per minute, 2500 PSI max fluid pressure
20:1 ... 2.00 gallons per minute, 1000 PSI max fluid pressure
5:1 ... 4.00 gallons per minute, 500 PSI max fluid pressure

Options available include an Air Operated Pump Lift, for use with 55 gallon drum models, and adjustable speed Agitators for use with 5 gallon or 55 gallon drum models, for mixing of non-homogeneous materials. Contact Spraymation for complete details

**Typical High Pressure Dispensing System**
DC Pattern Controllers & Power Supply Units

DC Pattern Controller

A wide variety of standard and custom DC Pattern Controllers, for both cold and heated operations, are available from Spraymation. Controls are time based, or shaft encoder based. Actuation methods include passive contacts, DC voltage, photocell/light source, and open collector. Spraymation timing is very accurate, adjustable in “0.1” millisecond increments. All Controllers allow for a timer range of 0 to 999.9 ms or 0 to 9,999 ms, by a simple jumper setting. An additional jumper selects the amount of debounce time applied to the actuation circuit.

The 3400 Series features keypad programming and numeric display of all settings. Pattern Controllers are suitable for use with heated and non-heated Electromatic Applicator Heads. Models include, “Delay/On”, “Delay/On with stitching option”, “Delay/On with Shaft Encoder option”, “Delay/On/Delay/On”, “Delay/On/Delay/On with stitching”, and “Delay/On/Delay/On with Shaft Encoder option”. Other models are available to meet the user’s specific need...contact Spraymation for more details.

The Shaft Encoder option provides for “speed compensation”, resulting in a uniform length and location of the adhesive pattern at varying operating speeds, without the necessity of operator adjustment of the controller presets when speeds change. A 1,000 count per revolution shaft encoder with interconnecting cable is included for mounting on the parent machine; this shaft encoder may also be used with Spraymation Run-Up Controls, highlighted on page 13.

Pattern Controller repeatability is -0/+2µs and long term stability is 100 PPM, with no calibration adjustment required. All Controllers are supplied in gasketed, steel enclosures, complete with Auto/Off/Test switches for each Applicator Head, and power On/Off switch with Power On light. A source of 120 VAC or 240 VAC power is required for operation. Special Controllers are available from Spraymation to meet the requirements of every application...contact Spraymation for details.

DC Power Supply

Spraymation DC Power Supply Units are available in various models depending on the number of heads/coils, and are designed to provide the optimum DC voltage to Electromatic Applicator Heads, resulting in the fastest, repeatable operation of the head. The included DC Gun Driver Module(s) provides 165 VDC to the Applicator Head coil(s), and after 5 milliseconds, drops to a holding voltage of 30 VDC. This provides for instantaneous shutoff, clean adhesive/material pattern cutoff, and preserves coil life. DC Power Supplies are provided when operation requires a high duty cycle, or where the user currently has an existing DC Timer or PLC, capable of providing a 24 VDC or passive contact actuation signal. The duration of the signal controls the “on-time” of the Applicator Head(s).

In the event the application recycle time between firings is less than 22 milliseconds, Spraymation offers HIGH SPEED Power Supply Units which allow the user to operate at a recycle time of approximately 14 milliseconds. The high speed gun driver module also provides 165 VDC to the coil, and after 5 milliseconds, drops to a holding voltage of 12-15 VDC. All Power Supplies are provided in gasketed steel enclosures, with Auto/Off/Test Switch, Power On Light, Power On Switch, and requires 120 VAC for operation.

Spraymation, Inc.  Tel: 800-327-4985  Fax: 954-484-9778  E-mail: sales@spraymation.com
## Accessories

### Hoses

(heated)

Externally heated hoses are used with THERMOPULSE hot melt systems, and are available in standard lengths of 4, 8, 12, and 20 feet. High pressure stainless steel jacketed, Teflon lined, fluid hose includes 120, 208, or 240 VAC heaters, based on tank/pump unit selected. RTD temperature sensors maintain uniform heating. A layer of thermal insulation covering is provided, complete with built-in gun electrical cable for use with tank/pump unit. Hoses are available for automatic applicator use and specially designed hoses for handguns or where head movement is required. Custom designed hose diameters and lengths are manufactured to meet the users' every need.

(unheated)

High pressure, stainless steel jacketed, Teflon lined fluid hoses are compatible for use with all cold adhesives, marking fluids, perfumes, silicones, and similar materials. Standard lengths of 2, 4, 8, 12, and 20 feet are available. Custom designed hose diameters and lengths are manufactured to meet every need.

### Run-up Control

The SPRAYMATION Run-Up Control automatically increases or decreases the fluid pressure, and thereby the material flow, based on changes in the user's production speeds, so that the same amount of material is applied. Run-Up Control is available for Thermopulse Hot Melt tank/pump units, pressure tanks or air operated pumping systems. The unit includes a shaft encoder, which provides signals to the included electronic circuitry, thereby increasing or decreasing pressure, as web speeds change. The shaft encoder is the same as supplied with a Spraymation Pattern Controller. One encoder can send signals to both devices, when used together. For complete details, please contact Spraymation.

### Heated Air Supply Units

THERMOPULSE Heated Air Supply Units are available for applications that require regulated, heated air to enhance the hot melt adhesive spray process to one or two Electromatic XIX Air Dispersed Automatic or XII Handgun Applicators through 303192-XX Series Heated Air Supply Hoses. The unit includes adjustable temperature controls, 150-500 degrees F, for heated air, with one common set point knob. Also included is an adjustable air pressure regulator (0-100 psi), and an electrically controlled air solenoid valve, actuated by a set of user supplied passive contacts. Standard and high volume units are available and require 240 VAC power for operation. See SL-319.

### Tips and Nozzles

Many different tips and nozzles are available for use with SPRAYMATION applicator heads, including extrusion and multi orifice, to control the amount of material applied. Many nozzles are available for airless or airless spray applications, with a wide range of orifice sizes and spray angles to meet your exact requirements. Contact us for complete details. See SL-363.
**Special and Custom Applications**

**SPRAYMATION** offers custom designed equipment to meet specific requirements not available using standard equipment. Our ability to manufacture a “one-of-a-kind” system is routine, and provides the user with equipment tailored to perform a specific application, resulting in optimum production and performance. Whether your application requires a single Applicator Head dispensing one dot of material, to an application with twenty or more heads, dispensing beads or spray patterns, combined with independent operation of each Applicator Head, at varying speeds in excess of 1,000 FPM, we offer the solution, and guarantee the performance. Examples of SPECIAL equipment designed by Spraymation, being used in manufacturing facilities worldwide today, are depicted below. When your needs require unique and precise dispensing, allow Spraymation the opportunity to provide a proposal to meet your application requirements, featuring our exclusive **ELECTROMATIC** Applicator Head series!

**TAIL TIE SPRAY SYSTEM** - ELECTROMATIC XV applicator heads with common fluid manifold, simultaneous operation of 4 to 24 heads, including DC pattern controller, and pumping system assembly.

**LINEAR TAIL SEAL** - Lightweight ELECTROMATIC XV applicator head for traversing applications, including coiled, nylon-covered electrical cable and coiled fluid hose. See SL-403

**ELECTROMATIC XXXI** - Right Angle Handgun for extrusion or Air Dispersed patterns.

**SPRAYMATION** Lab Unit for testing of various Hot Melts and Heated Materials.

**WIDE WEB SPRAYING EQUIPMENT**, featuring ELECTROMATIC electric or air operated Applicator Heads for use with laminating and ply-bonding applications.

**XYZ** Programmable Equipment featuring Thermopulse Hot Melt Adhesive Dispensing System.

**HEATED SPRAYING EQUIPMENT**, with Recovery and Recirculating Units, for coating applications.

**ELECTROMATIC XIX** - Air Dispersed, 26 inch wide Applicator Head for Healthcare products.

**XYZ** Programmable Equipment featuring Thermopulse Hot Melt Adhesive Dispensing System.

**ELECTROMATIC XX** - Low Profile Applicator Head featuring right angle tips, for case sealing.

**WIDE WEB SPRAYING EQUIPMENT**, featuring ELECTROMATIC electric or air operated Applicator Heads for use with laminating and ply-bonding applications.

**HEATED SPRAYING EQUIPMENT**, with Recovery and Recirculating Units, for coating applications.

**ELECTROMATIC XIX** - Air Dispersed, 26 inch wide Applicator Head for Healthcare products.

**Typical Industries served by Spraymation since 1958, include:** Packaging, Non-Wovens, Disposables, Converting, Medical, Bookbinding, Business Forms, Woodworking, Cosmetics, Beverage, Appliance, Electronics, Pharmaceutical, Footwear, Filtration, Novelty, Greeting Cards, Textile, and many more! The list is endless...
Typical Applications

- Non-Wovens - Fine Line
- P.E.T. Bottle Assembly
- Packaging
- Non-Wovens - Elastic
- Upholstery Attachment
- Palletizing
- Medical - Syringes
- Foil Converting - Tail Tie
- Product Assembly
- Non-Wovens - Garment
- Sift Resistant Seal
- Automotive

SUMMATION:

We would welcome the opportunity to work with you in providing a specific solution for your particular application needs. **WE SOLVE PROBLEMS.** If your application requires standard or custom designed equipment, **SPRAYMATION** can offer low cost, low maintenance products which will increase your productivity and profits. Many components are available for “trial and evaluation” to allow you to prove for yourself that our products, featuring our exclusive **ELECTROMATIC** Applicator Head series, remain unmatched in the industry today! For more details, fax, e-mail or call us at **1-800-327-4985**, and visit our website at www.spraymation.com. Thank you for considering Spraymation for your Hot Melt, Cold Adhesive and Fluid Dispensing requirements!

Spraymation, Inc.  Tel: 800-327-4985  Fax: 954-484-9778  E-mail: sales@spraymation.com
Spraymation has long been recognized for its capabilities in designing very specialized machinery to meet particular needs.

A typical machine shown above is used throughout the world by automotive and paint industries, who must prepare painted panels for testing to extremely close tolerances.

Consider how our design group could help you in solving automated problems with your adhesive and fluid applications.