



Industrial Dispensing Equipment



ADHESIVE SYSTEMS TECHNOLOGY

With the acquisition of Adhesive Systems Technology (AST), APPLIED Adhesives Equipment Solutions is continuing its commitment to the design and development of sealant and adhesive dispensing systems for the industrial market.

Quality and performance are at the heart of everything we do. Our in-house engineering team designs each system specifically to meet the project requirements for your application. We are proud to manufacture reliable, cost-effective, highly efficient, mixing and dosing systems. We offer the most complete line of meter, mix, and dispense equipment available in the industry.

Our Made-In-the-USA metering and dispensing equipment is made to be rugged and reliable with fewer moving parts while saving you time and money by increasing productivity and reducing downtime.

Simplicity of Designs

APPLIED has eliminated the prohibitive cost of ownership and inconsistent reliability leading to excessive maintenance of our equipment by keeping it intuitive. We eliminate the cost of human error and downtime by providing simple, accurate, and reliable metering equipment. Each system is engineered to meet the specifications of your application.

Ease of Use

A simplified interface allows an operator to become proficient in the system with minimal training. Systems diagnostics can be performed with a non-invasive, toolless adjustment. Pre-programmed PLCs with clear HMI screens allow for consistency across our system product lines and enable multiple dispensing recipes to be called up with the touch of a button.

Reliability

With a proven track record of 30 years of unmatched performance and reliability, APPLIED Adhesives Equipment Solutions equipment is built to last. APPLIED uses ruggedly designed modular pumps and parts that keep maintenance to a minimum. Worn parts are easily detected and replaced. Each machine is factory pre-tested and has been verified with a ratio accuracy of up to 99.5%.

Technical Support

Friendly service is just a phone call away with quick ship replacement parts readily available. Consumable and standard replacement parts are typically available for same-day shipment and overnight delivery. Knowledgeable support staff can repair equipment on site, or your equipment can be shipped back to our factory for service.

APPLIED Equipment Solutions Difference

Additional features and benefits of APPLIED's AST brand of equipment include:

- Ability to store materials in the machine overnight, reducing product waste and clean-up time.
- Systems clean-up can be done at the end of the day in less than 10 minutes.
- Customer designed to meet the operator requirements.
- The dispense valve can be fixture mounted, handheld and can be controlled by a foot pedal or trigger.
- Circulation is available keeping the material in a dynamic state reducing the amount of variation in color and less material settling.
- Machines have the flexibility to have the material directly fed into the pumps, transferred, or use day tanks.
- Using our exclusive integrated pneumatic test circuit, pressure seals of the air-driven machines can be checked by disconnecting a single airline.
- Material can be added to most 2K machines while material is being dispensed.
- Tanks have stainless steel conical bottoms with screens or diverter plates and gasket-sealed lids that can be attached to a desiccant if required.
- Most machines can be converted to low-pressure, ambient temperature spray.
- Systems can be configured with Stainless-Steel and a variety of seal materials for compatibility.
- Systems can be configured for Recirculation, Agitation, Degassing, Static, or Static-Dynamic Mixing.



Adhesives



Equipment



Service



Parts

GMP-025-I

Rapid ROI for Applications Growing Out of Cartridge Dispensing

- AST GMP Metering Pump
- Continuous flow up to .5 gpm
- Fluid pressure up to 1,000 psi
Viscosities up to 10,000 cps
- Fixed Ratios of 1:1 to 4:1
- 1/4 HP Drive Motor

GMP-050-I

Potting and Coating Applications with Epoxies, Urethanes, and Silicones

- AST GMP Metering Pump
- Continuous flow up to .75 gpm
- Fluid pressure up to 1,000 psi
Viscosities up to 10,000 cps
- Fixed Ratios of 1:1 to 4:1
- 1/2 HP Drive Motor

GMP-050-I SPRAY

Spraying of Non-Filled Urethanes, Epoxies, and Polyureas

- AST GMP Metering Sprays
- Continuous flow up to .75 gpm
- Fluid pressure up to 1,000 psi
Viscosities up to 10,000 cps
- Fixed Ratios of 1:1 to 4:1
- 1/2 HP Drive Motor

GMP-075-I

Molding, Filling, and Dispensing Non-Filled Urethanes, Epoxies, and Polyureas

- AST GMP Metering Pump
- Continuous flow up to 1 gpm
- Fluid pressure up to 1,000 psi
Viscosities up to 10,000 cps
- Fixed Ratios of 1:1 to 4:1
- 3/4 HP Drive Motor

GMP-200-I

Metering-Mixing of High Volume Materials such as Urethanes, Elastomers, Foams, Silicones, and Epoxies

- AST GMP Metering Pump
- Continuous flow up to 2 gpm
- Fluid pressure up to 1,000 psi
Viscosities up to 10,000 cps
- Fixed Ratios of 1:1 to 4:1
- 2 HP Drive Motor

CMP-632-I

General Metering of Two Component Molding, Potting, & Dispensing of Epoxies & Urethanes

- AST CMP metering pump
- Flow up to 1 gpm
- Fluid pressures up to 3,000 psi
- Viscosities up to 300,000 cps
- Adjustable flow rate
- 8 or 12 gallon stainless steel tanks
- Pneumatic powered
- Metered shots or continuous flow
- Portable cart mount or pneumatic elevator
- Pumps abrasive materials

GMP-200-I



CMP-632-I

**All pieces of equipment are customized to your specifications; photos are representative only.*

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GMP:

- Ratio can easily be changed by changing out a sprocket and adjusting the chain length.
- Gerotor pumps can be lubricated externally.
- Pumps can be double stacked to increase the volume output
- Continuous output or metered shots

NORTH AMERICA BASED. CUSTOMER FOCUSED.

Since 1971, APPLIED Adhesives has been a trusted industry leader that can meet all your adhesive needs. Our experts source the products, parts, and equipment while providing maintenance services that help you run at optimum efficiency. We provide customized solutions with a cost-in-use approach that saves you time and money.

CMP-832-I	RMP-317-I	RMP-624-I	SE-5-I	DE-5-I	DE-55-I
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General Metering of Two Component Molding, Potting, & Dispensing of Epoxies & Urethanes

- AST CMP metering pump
- Continuous flow up to 1.5 gpm
- Fluid pressures up to 3,000 psi
- Viscosities up to 300,000 cps
- Adjustable flow rate
- 8 or 12 gallon tanks
- Pneumatic powered
- Metered shots or continuous flow
- Portable cart mount or pneumatic elevator
- Pumps abrasive materials

Precision in Low Volume Applications of Plural Components for Injection and Potting

- AST RMP metering pump
- Flow up to .5 gpm
- Fluid pressures up to 3,000 psi
- Viscosities up to 300,000 cps
- Adjustable flow rate
- 2 1/2 gallon stainless steel tanks
- Pneumatic powered
- Precision metered shots or sustained flow
- Portable cart mount
- Pumps abrasive materials

Injection, Potting, and General Dispensing of Materials with Integration Options

- AST RMP metering pump
- Flow up to 1 gpm
- Fluid pressures up to 3,000 psi
- Viscosities up to 500,000 cps
- Adjustable flow rate
- 8 or 12 gallon tanks
- Pneumatic powered
- Precision shots or sustained flow
- Portable cart mount or pneumatic elevator
- Pumps abrasive materials

Cost Effective, Mobile Dispensing of Bulk Single Component Materials for Sealing or Structural

- AST CMP metering pump
- Flow up to .5 gpm
- Fluid pressures up to 1,000 psi
- Viscosities up to 300,000 cps
- Fluid pressures up to 3,000 psi
- Adjustable flow rate
- 5 gallon feed with follower plate
- Pneumatic powered
- Metered shots or continuous flow
- Portable cart mount or pneumatic elevator
- Pumps abrasive materials

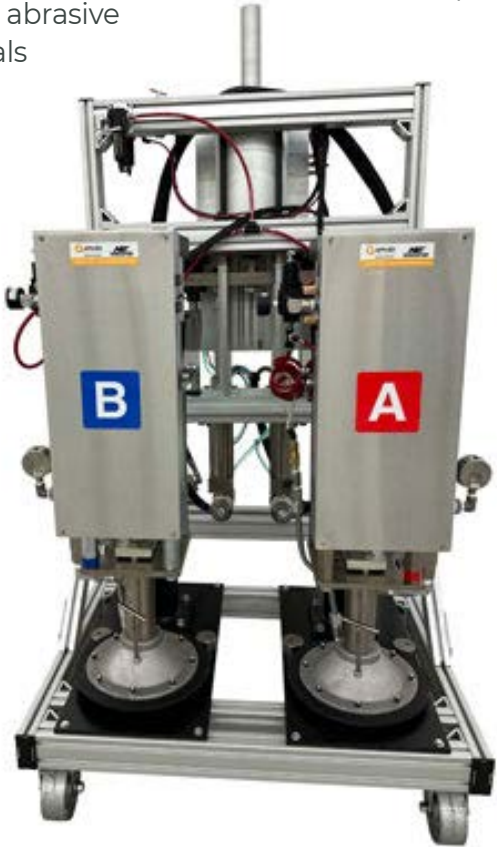
Metering and Dispensing of Single Part Materials for Sealing, Filling, Gasketing, and Transfer of Materials

- AST CMP metering pump
- Flow up to .5 gpm
- Viscosities up to 1,000,000 cps
- Adjustable flow rate
- 5 gallon feed with follower plate
- Pneumatic powered
- Handles abrasive materials

Metering and Dispensing of Single Part Materials for Sealing, Filling, Gasketing, and Transfer of Materials

- AST CMP metering pump
- Continuous flow up to 4 gpm
- Fluid pressures up to 1,000 psi
- Viscosities up to 1,000,000 cps
- Adjustable flow rate
- 55 gallon feed with follower plate
- Pneumatic powered
- Handles abrasive materials

RMP-624-I



DE-55-I



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- CMP:
- Cylinder meter pumps go to the home position when turned off increasing seal life.
 - Check valves are external of pumps providing easier access.
 - Positive displacement for highly accurate metered volumetric output.
 - Can dispense abrasive materials.
 - Longer Seal and Packing wear than typical industry machines.

- RMP:
- Check valves are external of pumps providing easier access.
 - Can dispense highly accurate, small volume shots
 - Can dispense abrasive materials.
 - Longer Seal and Packing wear than typical industry machines.
 - Positive displacement for highly accurate metered volumetric output.

We have you covered.



Visit us at
appliedadhesives.com



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