



ADHESIVE  
DISPENSING

Dispensing Equipment for  
the Professional Contractor

# Engineered for Performance. Trusted for Results. Rugged and Reliable.

At APPLIED, we proudly offer two powerhouse brands—**Adhesive Systems Technology (AST)** and **HG Adhesive Dispensing (HG)**—each delivering precision, reliability, and innovation for the contractor markets. The portfolio of systems is the most complete line of metering, mix, and dispense equipment available in the industry.

With the acquisitions of Adhesive Systems Technology and HG Adhesive Dispensing, APPLIED Adhesives Equipment Solutions is continuing its commitment to the design and development of sealant and adhesive dispensing systems for the construction 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.

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.

With a proven track record of over 35 years of unmatched performance and reliability, you can count on these systems for your construction needs. Our knowledgeable and friendly technical support staff stand by each piece of equipment and can provide maintenance and spare parts to keep you running in optimal condition. Additionally, all equipment is available on a lease to own basis, letting you focus on the job at hand.





## Adhesive Systems Technology: Industrial Strength, Engineered Simplicity

For over 35 years, **Adhesive Systems Technology (AST)** has been a leader in metering, mixing, and dispensing equipment. AST systems are built for rugged environments and demanding applications, offering:

- Precision dispensing from **1cc to up to 5 gallons per minute**
- Compatibility with **epoxies, urethanes, silicones, polyurea**, and more
- Equipment that handles viscosities up to **1,000,000 cps**
- **Custom and standard systems**—built to customer specifications
- **Made in the USA**, with full-service support including installation and training

AST's legacy of reliability and innovation makes it the go-to choice for joint filling, dowel bar placement, and bridge deck overlay applications.

## HG Adhesive Dispensing: Versatile Solutions for Every Jobsite

HG Dispensing brings flexibility and field-ready performance to contractors and industrial users alike. Known for its fully pneumatic, intuitive equipment and iconic "Bear" product line—including **Big Bear** and **Little Bear**—HG offers:

- Precision dispensing systems for viscosities up to **1.3 million cPs**
- Customizable static mixing systems
- Double acting pumps
- Positive displacement systems
- Equipment tailored for construction, glazing, and general contracting
- **Made in the USA**
- Seamless integration with AST systems for portfolio alignment and part consolidation

HG's approachable design and market versatility make it an ideal choice for dependable, easy-to-use dispensing solutions.

### The APPLIED Adhesives Equipment Solutions Difference

Not only do we build rugged, reliable dispensing systems, we keep them running. APPLIED offers **repair and rebuild services** to extend the life of your equipment and minimize downtime. Plus, you can easily order genuine replacement parts anytime at <https://dispensing.com>.



**GMP-025 'LIL PRO****GMP-050****GMP-075****Joint Filling and Sealing  
Using Unfilled Urethanes,  
Epoxies and Polyureas**

- Uses APPLIED GMP Gerotor metering pump  
Continuous flow up to .4 gpm
- Fluid pressures up to 750 psi
- Viscosities up to 5,000 CPS
- Fixed Ratios of 1:1 to 4:1
- Variable flow rate
- 6-gallon stainless tanks
- 1/4 HP DC drive motor
- Manual dispense manifold
- Electric powered
- Pumps non-abrasive materials

**Joint Filling and Sealing  
Using Unfilled Urethanes,  
Epoxies and Polyureas**

- Uses APPLIED GMP Gerotor metering pump
- Continuous flow up to .6 gpm
- Fluid pressures up to 750 psi
- Viscosities up to 7,500 CPS
- Fixed Ratios of 1:1 to 4:1
- Variable flow rate
- 8.5-gallon stainless steel tanks
- 1/2 HP DC drive motor
- Automatic dispense manifold
- Manual or Pneumatic Dispense Valve
- Pumps non-abrasive materials

**Joint Filling and Sealing  
Using Unfilled Urethanes,  
Epoxies and Polyureas**

- Uses APPLIED GMP Gerotor metering pump
- Continuous flow up to .8 gpm
- Fluid pressures up to 1,000 psi
- Viscosities up to 10,000 CPS
- Fixed Ratios of 1:1 to 4:1
- Variable flow rate
- 8.5-gallon stainless steel tanks
- 3/4 HP DC drive motor
- Automatic dispense manifold
- Pneumatic Dispense Valve
- Pumps non-abrasive materials

**NORTH AMERICA BASED. CUSTOMER FOCUSED.**

Since 1971, APPLIED Adhesives has been a trusted industry leader in custom adhesive solutions, offering a comprehensive portfolio of adhesive, equipment, parts, and services to meet your operational needs. Through our specialized brands we deliver advanced dispensing systems engineered for precision, reliability, and ease of use across industrial, construction, aerospace, and automotive markets.

**DE SP-55****BLACK BEAR 350H****PCV SP-5**

### **Sealing and Caulking Using Silicones, Single Part Urethanes and Fire Stop**

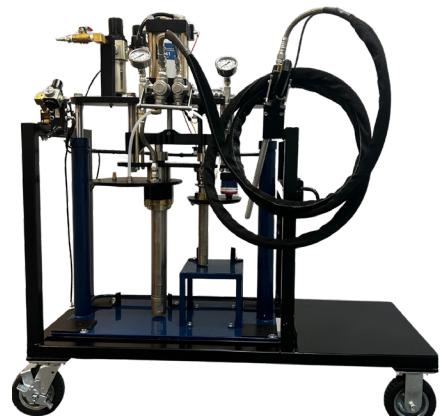
- Uses APPLIED CMP metering pump
- Continuous flow up to 4 gpm
- Fluid pressures up to 3,000 psi
- Viscosities up to 1,000,000 CPS
- 5:1 to 30:1 power factor ratio
- Adjustable flow rate
- 55-gallon drum feed with follower plate
- High pressure/self-priming
- 6", 8" or 10" diameter drive cylinder
- Pneumatic powered
- Metered shots or continuous flow
- 4" diameter double post pneumatic ram
- Pumps abrasive materials

### **Caulking/Joint Filling Using Single-Part Viscous Paste Adhesives**

- Continuous Flow: 1.00-3.25 gpm (depending on viscosity)
- Fluid pressure up to 3,000 psi
- Viscosity Range: 15,000-1,800,000 cps
- Pump Power Ratio: 35:1 to 62.5:1
- Adjustable Flow Rate
- 55-gal drum feed with follower plate
- High pressure/easy priming
- 7" diameter drive cylinder
- All-Pneumatic: 30 Gallon compressor or 4 CFM minimum
- Optional Mobile Cart
- Hose Length: customer's choice (up to 50 feet)
- Dims.: 540 lbs. (unloaded); 40" L x 24" W x 61" H

### **Sealing and Caulking Using Silicones, Single Part Urethanes and Fire Stop**

- Uses APPLIED CMP metering pump
- Continuous flow up to 0.25 gpm
- Fluid pressures up to 3,000 psi
- Viscosities up to 300,000 CPS
- 5:1 to 30:1 power factor ratio
- Adjustable flow rate
- 5-gallon drum feed with follower plate
- High pressure/self-priming
- 6" or 8" diameter drive cylinder
- Pneumatic powered
- Metered shots or continuous flow
- Portable cart mount with elevator
- Pumps abrasive materials

**PANDA BEAR 250H****GMP-050 SPRAY****BLUE BEAR-341****Caulking/Joint Filling Using Single-Part Viscous Paste Adhesives**

- Continuous Flow: 0.25–0.75 gpm (depending on viscosity)
- Fluid pressure up to 3,000 psi
- Viscosity Range: 15,000–1,800,000 cps
- Pump Power Ratio: 43:1
- Adjustable Flow Rate
- 5-gal bucket feed with follower plate
- High pressure/easy priming
- 4" diameter drive cylinder
- All-Pneumatic: 20 Gallon compressor or 4 CFM minimum
- Optional Mobile Cart
- Hose Length: customer's choice (up to 50 feet)
- Dims.: 150 lbs. (unloaded); 16" L x 24" W x 11" H

**Joint Filling and Sealing, Concrete Restoration, and Spray of Unfilled Polyureas , Urethanes, and Epoxyes**

- Uses APPLIED GMP Gerotor metering pump
- Continuous flow up to .5 gpm
- Fluid pressures up to 750 psi
- Viscosities up to 5,000 CPS
- 1/2 HP DC drive motor
- 8.5-gallon stainless steel tanks
- Fixed Ratios of 1:1 to 4:1
- Variable flow rate
- Automatic dispense valve
- Electric/pneumatic powered
- Pumps non-abrasive materials

**Caulking/Joint Filling Using 4:1 2-Part Low-Viscosity Adhesives (Urethanes) (Glass Railings)**

- Continuous Flow: 0.125-5 GPM
- Fluid Pressure up to 1000 PSI
- Viscosity Range: 0-20,000 cps
- Pump Power Ratio: N/A
- Adjustable Flow Rate
- 5 Gallon Base, 1-2 Gallon Catalyst (catalyst lid matched to chemical supply bucket)
- 4.25" Drive Cylinder
- All Pneumatic: 90 psi @ 3 cfm
- Mounted on Mobile Cart
- Hose length up to 20 Feet
- Dims: 48" x 20" x 48" , ≈ 200 lbs (Unloaded)

**GMP-500****GMP-200P****RMP-317****Bridge Deck and Parking Deck Coatings Using Unfilled Urethanes, Epoxies and Polyureas**

- Uses APPLIED GMP Gerotor metering pump
- Continuous flow up to 5 gpm
- Fluid pressures up to 1,000 psi
- Viscosities up to 5,000 CPS
- Fixed Ratios of 1:1 to 4:1
- Variable flow rate
- Transfer pumps or gravity feed
- 5 HP DC drive motor
- Automatic dispense valve
- Electric/pneumatic powered
- Pumps non-abrasive materials

**Floor and Small Deck Coatings Using Unfilled Urethanes, Epoxies and Polyureas**

- Uses APPLIED GMP Gerotor metering pump
- Continuous flow up to 5 gpm
- Fluid pressures up to 1,000 psi
- Viscosities up to 5,000 CPS
- Fixed Ratios of 1:1 to 4:1
- Variable flow rate
- Transfer pumps or gravity feed
- 5 HP DC drive motor
- Automatic dispense valve
- Electric/pneumatic powered
- Pumps non-abrasive materials

**Crack Injection Using Filled and Unfilled Epoxies and Urethanes**

- Uses APPLIED RMP metering pump
- Continuous flow up to 20 ounces per minute
- Fluid pressures up to 1,100 psi
- Viscosities up to 30,000 CPS
- Fixed Ratios of 1:1 to 4:1
- Adjustable flow rate
- 2.5-gallon stainless steel tanks
- 3" diameter drive cylinder
- Manual dispense manifold
- Pneumatic powered
- Pumps abrasive materials



Visit us at  
[appliedadhesives.com](http://appliedadhesives.com)



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**RMP-624 NF****RMP-624****CMP-632**

### Crack Injection Using Filled and Unfilled Epoxy and Urethanes

- Uses APPLIED RMP metering pump
- Flow rate up to .6 gpm
- Fluid pressures up to 2,000 psi
- Viscosities up to 100,000 CPS
- Fixed Ratios of 1:1 to 4:1
- Adjustable flow rate
- 4.5-gallon stainless steel tanks
- 6" diameter drive cylinder
- Automatic dispense valve
- Pneumatic powered
- Up to 20 cycles per minute
- Metered shots or continuous flow
- Pumps abrasive materials

### Joint Filling and Doweling Using Filled and Unfilled Epoxy and Urethanes

- Uses APPLIED RMP metering pump
- Maxx flow rate up to .6 gpm
- Fluid pressures up to 2,000 psi
- Viscosities up to 500,000 CPS
- Fixed Ratios of 1:1 to 4:1
- Adjustable flow rate
- 8.5-gallon stainless steel tanks
- 6" diameter drive cylinder
- Automatic dispense valve
- Pneumatic powered
- Up to 20 cycles per minute
- Metered shots or continuous flow
- Pumps abrasive materials

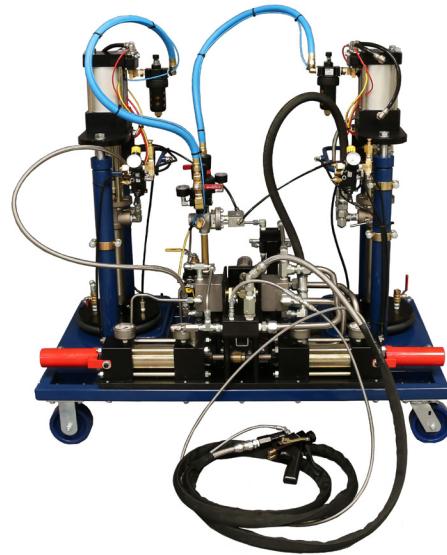
### Large Joint Sealing and Doweling Using Filled and Unfilled Epoxy and Urethanes

- Uses APPLIED CMP metering pump
- Flow rate up to 1.0 gpm
- Fluid pressures up to 2,000 psi
- Viscosities up to 150,000 CPS
- Fixed Ratios of 1:1, 2:1, 4:1
- Variable flow rate
- 8.5-gallon stainless steel tanks
- 6" diameter drive cylinder
- Auto/manual dispense valve
- Pneumatic powered
- Up to 20 cycles per minute
- Metered shots or continuous flow
- Pumps abrasive materials

## TWIN BEAR 300



## LITTLE BEAR

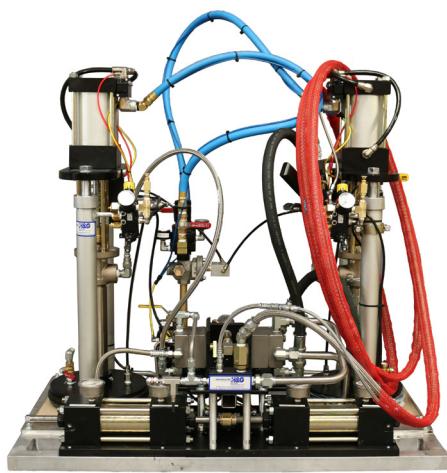


### Caulking/Joint Filling Using Two-Part Viscous Adhesives

- 5 Gallon by 5 Gallon Pump
- Continuous Flow: 0.25–1.00 gpm (depending on viscosity)
- Compact, lightweight, portable
- All Pneumatic
- Adjustable Flow Rate
- Air Compressor Requirement: 30 gallon minimum, 4 CFM minimum
- Hose Length: customer's choice (up to 50 feet)
- Air compressor: 30-gallon minimum, 4 CFM minimum
- Used with Silicones, Urethaneanes, Methacrylates
- Fixed Adhesive 2-Part Ratio: 1:1
- High or Precision Volume Applicators
- Pump Power Ratio:
  - Base: 43:1
  - Catalyst: 43:1
- Dims.: 700 lbs. (unloaded); 40" L x 29" W x 50" H
- Viscosity Range: 15,000–1,800,000 cps

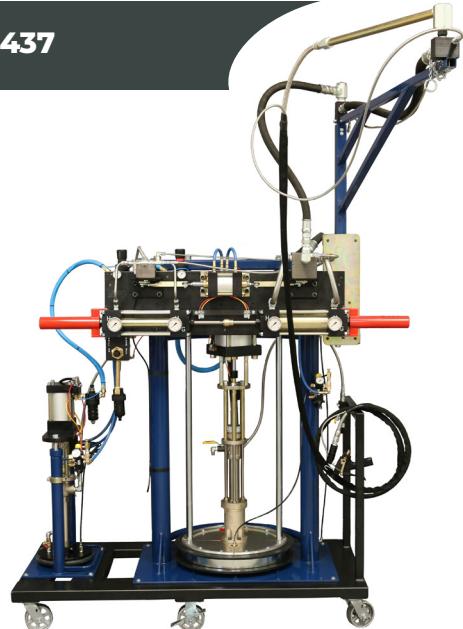
### Caulking/Joint Filling Using 2-Part Silicones and Polyurethanes in the Field (Glass and Insulated Glass Glazing in the Field or Job Site Glazing)

- Continuous Flow: 0.20–0.65 gpm (depending on viscosity)
- Fluid pressure up to 3,000 psi
- Viscosity Range: 15,000–1,800,000 cps
- Pump Power Ratio:
  - Base: 43:1
  - Catalyst: 43:1
- Adjustable Flow Rate
- 5-gal bucket feeds with follower plates
- High pressure/easy priming
- 4" (Cat.) and 4" (Base) diameter drive cylinder
- All-Pneumatic: 20 Gallon compressor or 4 CFM minimum
- Mobile Steel Cart
- Fixed Adhesive 2-Part Ratio: 1:2, 1:4, 1:10, and more.
- Hose Length: customer's choice (up to 50 feet)
- Dims.: 600 lbs. (unloaded); 29" L x 48" W x 48" H



**Caulking/Joint Filling Using 2-Part Silicones and Polyurethanes on a Swing Stage or in the Field (Glass and Insulated Glass Glazing from a "Swing Stage" in the Field or Job Site Glazing)**

- Continuous Flow: 0.20-0.65 gpm (depending on viscosity)
- Fluid pressure up to 3,000 psi
- Viscosity Range: 15,000-1,800,000 cps
- Pump Power Ratio:
  - o Base: 43:1
  - o Catalyst: 43:1
- Adjustable Flow Rate
- 5-gal bucket feeds with follower plates
- High pressure/easy priming
- 4" (Cat.) and 4" (Base) diameter drive cylinder
- All-Pneumatic: 20 Gallon compressor or 4 CFM minimum
- Mobile ALUMINUM Cart
- Fixed Adhesive 2-Part Ratio: 1:2, 1:4, 1:10, and more.
- Hose Length: customer's choice (up to 50 feet)
- Dims.: 348 lbs. (unloaded); 43" L x 25" W x 48" H



**Caulking/Joint Filling Using 2-Part Silicones and Polyurethanes in a warehouse setting. (Glass and Insulated Glass Glazing in the warehouse/factory.)**

- Continuous Flow: 0.75-2.75 gpm (depending on viscosity)
- Fluid pressure up to 3,000 psi
- Viscosity Range: 15,000-1,800,000 cps
- Pump Power Ratio:
  - o Base: 35:1
  - o Catalyst: 43:1
- Adjustable Flow Rate
- Catalyst Side: 5-gal bucket feed with follower plate
- Base Side: 55-gal drum feed with follower plate
- High pressure/easy priming
- 4" (Cat.) and 7" (Base) diameter drive cylinder
- All-Pneumatic: 30 Gallon compressor or 4 CFM minimum
- Mobile Steel Cart
- Fixed Adhesive 2-Part Ratio: 1:2, 1:4, 1:10, and more.
- Hose Length: customer's choice (up to 50 feet)
- 6-foot swivel boom (standard 22-foot applicator radius)
- Dims.: 1460 lbs. (unloaded); 66" L x 33" W x 102" H

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Together, AST and HG represent APPLIED's commitment to delivering **engineered excellence and customer-focused innovation to the construction market.**

## Simplicity of Design

APPLIED has eliminated the high cost, excessive maintenance and inconsistent reliability of metering and dispensing equipment by keeping it simple. We provide simple, accurate and reliable metering equipment. Your application requirements are met with specific working solutions!

## Ease of Use

Full control over our systems is obtained by a single point control adjustment. If your requirements demand different volumes or mix ratios, APPLIED's modular design makes this quick and easy.

## Reliability

Knowing your concerns with maintaining equipment, 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.

## Technical Support

Friendly service is just a phone call away with quick ship replacement parts readily available.

### The APPLIED Adhesives Equipment Solutions Difference

APPLIED's rugged, American-made equipment is engineered to **save time, reduce costs, and boost productivity** on every job by:

- Improving control and precision when filling joints, cracks, holes, and voids.
- Reducing material waste through on-demand mixing and adjustable dispense rates.
- Finishing jobs faster, often in a single application
- Maximizing up-time with reliable, self-diagnostic machines and minimal moving parts.
- Ensuring accuracy with verified 99.5% ratio precision for consistent results and fewer callbacks.
- Simplifying cleanup, with systems that can be cleaned in under 10 minutes
- Keeping you running, with same-day shipment and overnight delivery on standard parts.
- Reducing operator fatigue, thanks to ergonomic, upright designs and fingertip controls.

# We have you covered.



Visit us at  
[appliedadhesives.com](http://appliedadhesives.com)



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