



## BH RMP-210/310

**Small Shot Two Part Meter & Dispensing, Potting, Small Shot Dispensing, Multi Dispensing at One Time Using Urethanes and Epoxies**

- Bench or fixture mounted using urethanes and epoxies
- Uses AST RMP metering pump
- 1cc – 70cc shot size
- Fluid pressures up to 2,000 psi
- Viscosities up to 1,000,000 cps
- 1:1 – 10:1 preset ratio range
- Adjustable up to 20 cycles per minute
- 1/2 gal. – 5 gal. stainless steel pressure tanks
- 2" – 3" dia. x 4" stroke drive cylinder
- Automatic fixed and/or hand-held dispense manifold
- Pneumatic powered/air over oil
- Handles abrasive materials



## PH RMP 410, 424, & 624

**Injection, Potting, General Dispensing Using Filled and Unfilled Epoxies and Urethanes**

- Portable or Bench Mounted
- Positive displacement AST rod metering pumps
- 1/4" – 1.5" rod diameter
- 1cc – 750cc shot per stroke
- Up to 1 gpm continuous output
- Shot adjustment: 0 – 100% of full stroke
- Up to 30 cycles per minute
- Within 2% of Shot
- 1:1 – 12:1 preset ratio range
- Viscosity: 1cps – 1,000,000 cps
- 2.5 gal. – 7.5 gal. stainless steel supply container
- Automatic fixed and/or hand-held dispense manifold
- Pneumatic or electric controls
- Handles abrasive materials

## PH RMP-1048

**Large Volume, Metering, Dispensing, Molding & Filling Using Two Part Urethanes, Polyureas, Elastomers, Foams & Epoxies**

- Portable
- Uses AST RMP metering pump
- Air cylinder diameter up to 4"
- Up to 5 gpm continuous output
- Fluid pressures up to 3,000 psi
- Viscosities up to 2,000,000 cps
- 1:1 – 15:1 preset ratio range
- 8" – 12" diameter drive cylinder
- Up to 24" stroke
- Automatic fixed and/or manual dispense manifold using static or dynamic mixers
- Pneumatic powered with hydraulic option
- Handles abrasive & non-abrasive materials.



## BVI CMP-632

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

- Uses AST CMP metering pump
- Continuous flow up to 4 gpm
- Fluid pressures up to 2,000 psi
- Viscosities up to 150,000 cps
- Fixed ratios of 1:1 to 12:1
- 5 gallon/55 gallon tank option feed
- 6" - 8" diameter drive cylinder
- Automatic hand-held or fixed mount dispense manifold
- Pneumatic powered with hydraulic option
- Handles abrasive & non-abrasive materials



## PH CMP-632

### Bonding, Molding & Filling Two-Part Filled Epoxies & Urethanes

- Uses AST CMP metering pump
- Continuous flow up to 1.5 gpm
- Fluid pressures up to 2000 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 option feed
- 6" diameter drive cylinder
- Pneumatic powered
- Metered shots or continuous flow
- Handles abrasive materials



## PHI 832/1048 CMP

### Large Volume Metering-Dispensing, Molding & Filling Two Part Urethanes, Polyureas, Elastomers, Foams, Silicones & Epoxies

- Uses AST CMP metering pump
- Continuous flow up to 5 gpm
- Fluid pressures up to 3,000 psi
- Viscosities up to 2,000,000 cps
- Fixed Ratios of 1:1 to 15:1
- 8" - 12" diameter drive cylinder
- Manual and/or automatic dispense manifold with static or dynamic mixer
- Pneumatic powered with hydraulic option
- Handles abrasive & non-abrasive materials



## BH GMP-10

### Smaller Volume Dispensing & Mold Filling of Two Part Urethanes, Polyureas & Epoxies

- Uses AST GMP metering pump
- Continuous flow up to .25 gpm
- Fluid pressures up to 600 psi
- Viscosities up to 2,000 cps
- Ratios from 1:1 to 3:1
- Adjustable flow rate
- Up to 3 gal. supply containers
- 1/4 HP 90 volt variable speed D.C. electric motor
- Manual or automatic dispense manifold
- Handles non-abrasive materials



## PH GMP-075

### Molding, Filling & Dispensing Using Non-Filled Urethanes, Epoxies & Polyureas

- Bench Mounted or Portable
- Uses AST GMP metering pump
- Continuous flow up to 1 gpm
- Fluid pressures up to 1000 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 valve
- Electric/pneumatic powered
- Handles non-abrasive materials

## PH GMP-200

### Metering-Mixing of High Volume Materials, Urethanes, Elastomers, Foams, Silicones & Epoxies

- Bench Mounted or Portable
- Uses AST GMP metering pump
- 0-100% by adjusting motoring speed
- Continuous flow up to 4 gpm
- Within 2% shot to shot accuracy
- 1:1 - 6:1 preset ratio range
- Viscosities up to 15,000 cps
- 9 gallon stainless steel tanks
- Automatic dispense valve
- Electric 2 HP D.C. variable speed:  
110/220v, Pneumatic 80 psi
- Static or dynamic mixer





## PV5-CMP 624 GAL. SMART PUMP



### Metering & Dispensing of Single Part Materials for Sealing, Filling, Gasketing & Transfer of Material

- Uses AST CMP metering pump
- Continuous flow up to 4 gpm
- Fluid pressures up to 3000 psi
- Viscosities up to 1,000,000 cps
- 5:1 to 30:1 power factor ratio
- Adjustable flow rate
- 5 or 55 gallon feed with follower plate
- High pressure/self priming
- 6", 8", or 10" diameter drive cylinder
- Pneumatic powered
- Metered shots or continuous flow
- Portable cart mount or pneumatic elevator
- Handles abrasive materials

## DE55-CMP 832 GAL. SMART PUMP



## PV EFP-CMP

### Application for Flexible & Rigid Foam

- Portable cart
- Uses AST CMP metering pump
- Continuous flow up to 60 lbs. per min.
- Fluid pressures up to 1,000 psi
- Viscosities up to 100,000 cps
- Fixed ratios of 1:1 - 10:1
- Variable flow rate
- 5 gal. stainless steel pressure tanks with auto refill
- 110/220 V. electric D.C. variable speed control
- Dynamic dispense manifold
- PLC controlled
- Handles abrasive & non-abrasive materials
- Optional dispense head positioner with solvent purge recycler



## TURN KEY SYSTEMS

Complete engineering of fluid metering system to meet industrial automation production requirements

- Meters
- Conveyers
- Ovens
- Motion- XYZ
- Controls
- Tooling/fixturing
- Total system integration



## ADHESIVE SYSTEMS TECHNOLOGY

### SIMPLICITY OF DESIGN

AST has eliminated the high cost, excessive maintenance and inconsistent reliability of metering and dispensing equipment by keeping it simple. We eliminate the cost of human error, waste and down time by providing simple, accurate and reliable metering equipment. Your application requirements are met with specific working solutions!

### EASE OF USE

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

### RELIABILITY

Knowing your concerns with maintaining equipment, AST 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 Quik Ship replacement parts readily available.

## COMPANY STATEMENT

Adhesive Systems Technology's commitment to technical excellence is reflected in our new manufacturing facility located in Minneapolis, Minnesota.

AST, with 20 plus years of metering and dispensing experience, is committed to supplying our customers a reliable, cost effective, highly efficient, mixing and dosing system. AST has emerged as an industry leader in solving the dispensing and automation needs of our customers through innovation and new product development. AST's commitment to quality and performance extends to our customer service, engineering, manufacturing and support personnel.



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