

AST ADHESIVE SYSTEMS
TECHNOLOGY CORP

POTTING



The encapsulation and/or potting of electrical boards, capacitors and enclosures is processed to your specifications with AST's precise metering systems.

- Positive displacement rod meter
- 0.1 cc - 5 gpm output
- Viscosities up to 1,000,000 cps
- Stainless Steel supply containers
- Can be fed from bulk containers
- Preset ratios of 1:1 to 12:1
- Adjustable preset metered shots or continuous flow
- AST triple rod drive cylinder
- Processes filled and unfilled materials
- Modular design for application flexibility
- All pneumatic controls
- Ratio check method
- Compact size with rugged construction
- System integration



RMP & CMP
metering systems

BONDING



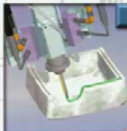
AST is the industry leader in product assembly technology with regards to dispensing systems. Filter and caps is just one area in which we specialize.



- Positive displacement cylinder meter
- Processes filled and unfilled materials
- Meter direct from original containers
- High power/high output up to 5 gpm
- Metered shots or continuous flow
- Interphase with microprocessor
- Viscosities 1 cps up to 1,000,000 cps
- Hydraulically interlocked
- Modular design
- Machine can be portable or fixed mounting
- Ratio check and monitoring
- Adaptable to current production line
- Accuracy to within .5% shot to shot

PV-DH-CMP 624

FORM IN PLACE

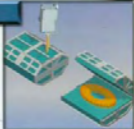


AST/EDF specialize in the manufacture of mixing and dosing systems for processing two-component polyurethane and silicone foams using precise dispensing and mixing technology.

- Two component dynamic mixing
- Automatic purge
- Automatic tank refill
- Material transfer pumps
- Environmentally safe high pressure water purge
- 3 & 6 axis contouring robot
- Material agitation & nucleation
- Material temperature control
- 0.1 - 60.0 grams per second output
- Storage capacity for 999 contouring programs
- Easy operator interface to computer software



MOLDING

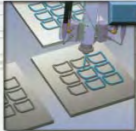


The molding of small figurines or large automotive dash panels is made easy with an AST GMP urethane metering system.

- Positive displacement gear meter
- Process urethane and epoxy
- Shot size adjustment 1 - 100%
- Pumps up to 4 gpm
- Modular design for application flexibility
- Pneumatic/electric controls
- Accuracy to within 1% shot to shot
- Portable units available
- Dynamic and static mixing



ENGINEERED SYSTEM



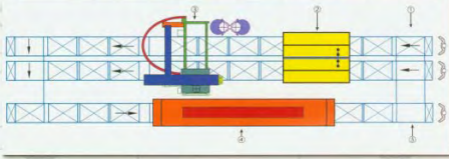
AST can engineer, manufacture, integrate and install a complete dispensing line to process your application. AST will provide a **total solution** for your manufacturing process.



Systems & process capabilities

- Single and plural component systems
- Rotary tables
- IR ovens
- Conveyors
- Pallets
- Presses
- Roll coaters
- Pick and place robots
- System integration and engineering
- Surface treatment
- 3 & 6 axis contouring motion

TYPICAL LINE LAYOUT



1. Load pallet station 2. Surface treatment station 3. Dispensing station
 4. Curing tunnel 5. Unload pallet station



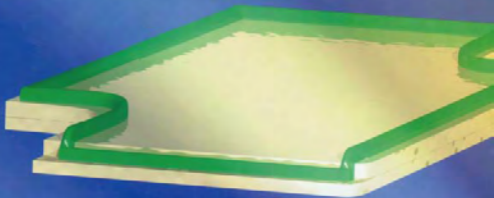
Adhesive Systems Technology's commitment to technical excellence is reflected in our new manufacturing facility located in New Hope, MN. With over 70,000 square feet, we have expanded our manufacturing and developmental capabilities to benefit our customers.

Company Statement:

AST Corp., 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 Corp. has emerged as an industry leader in solving the dispensing and automation needs of our customers through innovation and new product development. AST Corp.'s commitment to quality and performance extends to our customer service, engineering, manufacturing and support personnel.

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TECHNOLOGY CORP

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