

See-Flo 494

Meter-Mix Dispense System

Case Study: Electric Motor Structural Adhesive Dispense System



Customer

Kollmorgen

Radford, Virginia, USA

Material

Elantas (P. D. George)

#88 & #89 Filled Epoxy

A: 150,000 – 200,000 cps

B: 15,000 – 19,000 cps

36 – 42 minute gel time

Filling large motor cavities

10 – 100 ounces per motor



Application

Encapsulating large electric motor assemblies used on submarines & surface ships

System S-3864

- See-Flo 494, Cart Mounted
- Positive Displacement Meter
- 2200-250-001-AM Dispense Valve
- Heated Hose Assemblies
- 30 Gallon Tanks with Heat & Low Level Sensors

See-Flo 494



System control panel shows system HMI and temperature controllers for 6 heat zones (2 tanks, 2 hoses, meter A and B)

Fixed Ratio

The air powered See-Flo 494 is ideal for this potting application with a filled epoxy. The system electrically heats the material (110- 190°F) from the supply tanks to dispense hoses; the material is also recirculated back to the supply tanks, through heated hoses, to insure a homogeneous material.

The system dispenses consistent and precisely measured shots of mixed material; the size of the shot can be adjusted using a shot counter. With the 494, the user can also vary the dispense flow rate – slower dispensing for intricate potting jobs, or quicker for large shot applications.

Material Supply

30 gallon pressure tanks include air powered agitators, heat jackets, and high and low level sensors to monitor and condition of the material components

See-Flo494 features

- Cart mounted, two component, metered shot mix and dispense system
- Positive displacement rod style meter cylinders with titanium coated rods
- Air powered with Air-draulic drive for smooth, controlled dispense cycles
- Fixed ratio – no ratio adjustment needed
- Metered shot or manual dispensing
- Heated material supply and dispense hoses
- Two 30 gallon stainless steel holding tanks including heat jacket, high and low electronic level sensors, air powered agitator assembly, and vacuum controls
- 2200-250-001-AM two-component dispense valve with titanium coated spools and solvent flush port
- Remote actuator



System includes recirculation circuit

For more information, speak with your Nordson representative or contact your Nordson regional office.

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