

Servo Driven, Positive Displacement Meter/Mix/Dispense System



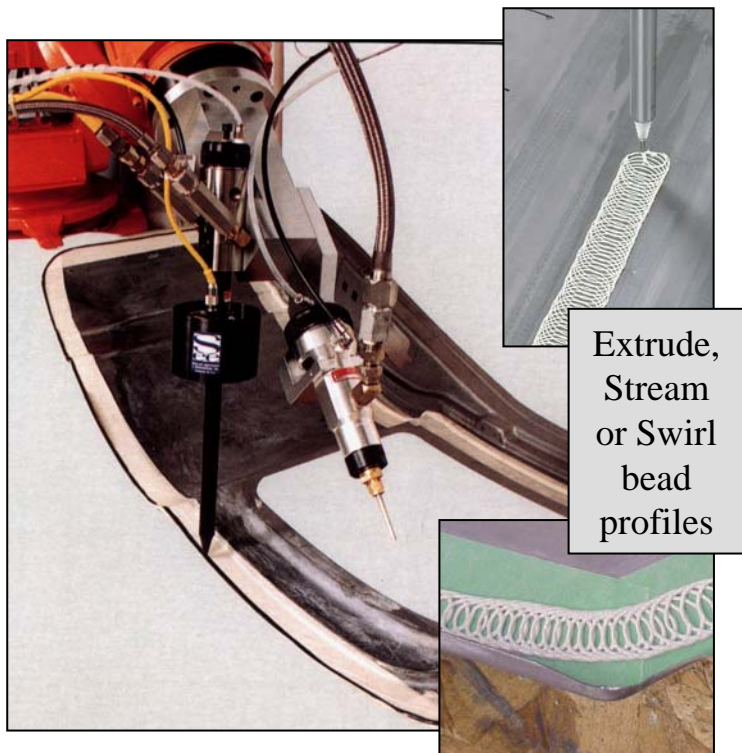
Program-A-Bead 692

System Features:

- ▶ Fixed ratio Precision dispensing of two component structural bonding adhesives
- ▶ Consistent bead profiles - dispense flow rate is coordinated with robot tool tip speed
- ▶ Positive displacement meter cylinders are sized for exact ratio proportioning of 2-component materials
- ▶ 300 series stainless steel wetted meter components
- ▶ Meter cylinders are designed for abrasive materials with 'Quick Change' seal cartridge assemblies
- ▶ Stainless steel power inlet and outlet valves
- ▶ Controls to integrate with robot or automation cell
- ▶ Servo drive motor with analog controller
- ▶ Integrated electromagnetic fail-safe brake
- ▶ Transducers to measure pressure and detect faults
- ▶ Robot interface - MicroLogix PLC
- ▶ Material supply pumps
- ▶ 2-Component Dispense Valve Assembly with No-Flush disposable mixer

Available Options:

- Device-Net control communications
- Material Temperature Conditioning system
- Custom end-of-arm tooling and mounting for dispense valve assembly
- Part fixturing and programming services
- Supply pumps with automatic crossover
- High Pressure meter inlet fluid filters



Program-A-Bead® 692 Dispense System



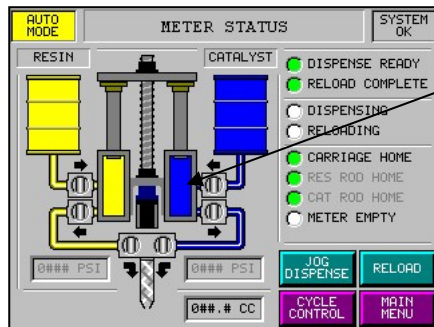
Positive Displacement
Metering Assembly

Touch-Screen Control Panel
available with DeviceNet
communications and
integrated temperature
control system



METER SYSTEM COMPONENTS

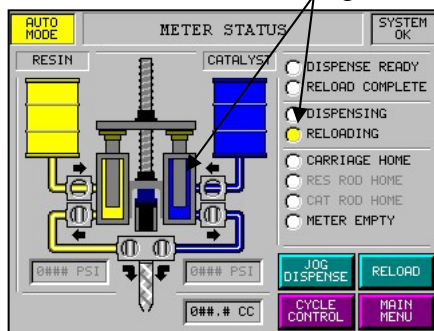
- Servo drive control is readily integrated with robotic work cell
- Rod style metering cylinders with hardened components
- Stainless steel wetted components
- Power inlet and outlet valves; material pressure regulators



Reloading
complete:
“Dispense
Ready”

Reloading
in Progress

Color Touch
Screen
Display



ELECTRICAL COMPONENTS

- MicroLogix TouchScreen control panel with status, fault, setup screens; password protected
- The system’s servo drive that is integrated with robot or automation - a 0-10 vDC signal (from the automation) dictates the rate that the meter dispenses at



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