

## HOT MELT EQUIPMENT

**Neptech Inc.** manufactures a complete line of automatic standard, flexible and water resistant heated hoses, as well as hand gun hoses. Custom-designed equipment to meet a wide variety of applications including hot melt adhesives, packaging and plastics.

### FEATURES

- Heated hoses ensure a constant temperature and prevent changes in viscosity
- Flexible, durable, chemical inertness over entire temperature range
- Reinforced by Stainless Steel Overbraid for high pressure resistance
- Impact resistant caps with electrical connections attached at both ends.
- Transfers mild acids and other chemicals efficiently
- Custom designed and manufactured equipment to fit specific needs
- High resistance to corrosion
- PTFE Teflon™ inner core made to withstand extreme temperatures
- RTD temperature area-sensing
- Precision wound and calibrated prior to assembly
- Multitude of line endings for any application



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### HOT MELT ACCESSORIES

- There's an adhesive or sealant for every bonding application. The type, amount and how it is applied determines the size and style of equipment.
- Heated Hoses transfer the hot melt to the point of application at specified temperature.
- Handguns can be configured for either standard hose entry, top entry, or in-line.
- Nozzles—interchangeable nozzles allow you to apply the adhesive or sealant as needed for your process.
- Accessories—We carry a full line of nozzles, fittings, reductions, electrical extension and distribution cables as well as fastening devices and Temperature controllers.
- Custom Engineered Products—We have the expertise to design and manufacture custom products to your exact specifications.

### HEATED HANDGUNS

- Automatic guns are common for single-point dispensing, conveyors, wide areas, or applications using robots.
- Ergonomically designed
- Built for heavy-duty service
- 360° Linear Swivels or Ball Swivels
- Standard hose entry, top –entry or inline entry
- Interchangeable nozzles for bead or spray applications

- Cordless Available
- Automatic Guns designed for packaging applications, carton, case sealing
- Heavy Duty Automatic Guns designed for high -volume product assembly applications.
- Fixed point dispensing application.

### HOT MELT ADHESIVES INFORMATION

- Hot melt adhesives are solvent-free adhesives, that are solid at temperatures below 180°F (82° C) and are low viscosity fluids above 180°F (82°C).
- There are a number of hot melt adhesives in use.
- Poly Urethane Reactive (PUR) - is a 100% solid, 1-component urethane pre-polymer that reacts with moisture to form a new polyurethane polymer
- PURs set in seconds and are structurally rigid in minutes
- Hot Melt adhesives have been accepted in many manufacturing industries, where they often replace mechanical fasteners including: aerospace structural assemblies, automotive, truck, boat, and bus assembly
- Hot melt adhesives form a strong bond simply by cooling, are compatible with most materials, and are clean and easy to handle.
- Hot melts are also less water sensitive than other thermoplastic polymers