

## Insulation Jackets for Plastic Processors

Removable insulation jackets are an ideal way for plastics processors to reduce their plant energy costs, protect employees from the hazards of hot equipment, and lower your facilities ambient air temperature.

## Removable Insulation Payback

Removable insulation jackets for plastics processing equipment generally pay for themselves in less than 8 months, often times much quicker depending on process type, temperature, and cost per KWH. No other energy project will pay for itself as quickly and with as little upfront effort as removable insulation jackets.

**Heat loss = wasted energy.** The idea behind insulation jackets is simple. Keep the heat in the machine where it belongs, spend less money on electricity. Enjoy the fringe benefits of personnel protection and a much cooler facility. If your plant is air conditioned, you'll enjoy even greater energy savings throughout the summer.



## OSHA Safe Touch Temperature for Plastics Processors

Barrel insulation jackets are a low cost, easy way to protect your employees, and improve your bottom line. Insulation jackets are ideal for protecting employees from high temperature processing equipment such as barrels, extruders, dies and molds involved in plastics manufacturing.

***“The injection unit and other accessible parts posing thermal hazards should be insulated or guarded. Place warning signs where hot parts are necessarily exposed”***

-www.osha.gov concerning machine guarding.

OSHA considers 120°F a safe touch temperature, but metal shrouds tend to be hotter than 300°F in most facilities. Burns are a serious risk for employees on the manufacturing floor and UniVest insulation jackets are an ideal way to prevent them.

Capital spending on safety equipment and programs also enjoys a substantial ROI of \$3 - \$5 per \$1 spent according to Liberty Mutual and the American Society of Safety Engineers.

# Insulation Jackets

Easy to install/uninstall. Out of the way of your process.



Ease of use is built into the design of the insulation jackets - they are lightweight, modular, and easy to handle so that employees can easily reinstall them on machines. The jackets use a strap and buckle system rather than hooks and wire - so no tools are ever necessary to secure them in place.

## Hose Insulation

Hose insulation offers a low-cost solution for insulating hot process pipes or hoses in your facility. These insulation sleeves reduce heat loss and lower ambient air temperature, allowing you to save on energy costs. Ideal for insulating drying systems, hydraulic lines and hot air ducting. Once you insulate your machines, you will start seeing immediate energy savings. But the savings don't end there. Countless other applications can also benefit from insulation. We have designed solutions that not only fit your machines, but your dryer hoses and process pipes as well. Just like our other insulation products, The hose insulation protects personnel from high temperature surfaces, saves energy, and even improves equipment performance. With dryer lines insulated, most systems work 50% more efficiently.



**Call BMS today and allow us to show you how much you can save through lower energy usage. Most quotations can be done on the phone or a complete energy study can be arranged.**