



Plastic Extrusion Applications



Energy savings / *Noise reduction* / *Safety solutions*



Applications: Process Equipment, Extruder Barrels, Extruder Heads, Injection Molding, Blow Molds, Blow Heads/Dies.

Plastics Extrusion & Blow Molding Equipment

TAS offers a removable-reusable insulation solution that significantly reduces heat loss and surface temperature for plastics extrusion, injection molding and blow molding equipment.

TAS insulation system will save substantial energy costs. Any surface being covered will show an estimated heat loss reduction of 85-90%. With an average surface temperature of 250-300°C, this reduction equates to payback periods on investment of 2-6 months!



Another benefit after installing TAS blanket insulation is that heaters cycling on and off more instead of running almost constantly.



Key Benefits

1. Energy Efficiency & Cost Savings

- Without insulation, a lot of heat escapes into the air, heaters must work harder, which leads to higher electricity consumption.
- With removable-reusable insulation, heater energy demand can be reduced, leading to significant savings.

2. Stable Process & Product Quality

- Extrusion requires very stable and uniform temperatures.
- Heat losses create fluctuations, heaters cycle more often, which leads to uneven melt, poor plasticizing and/or product defects.
- Removable-reusable insulation improves temperature stability, giving smoother output and consistent material quality.

3. Machine Longevity

- Frequent heater cycling (on/off) reduces heater band lifespan.
- With insulation, heaters work less aggressively, which leads to longer life for heaters and electrical components.

4. Workplace Safety

- Surfaces can reach high temperatures, representing a serious burn hazard.
- Insulation eliminates this hazard, reduces the risk of worker injuries and enables safer maintenance.

5. Better Working Environment

- Uninsulated hot surfaces radiate a lot of heat, resulting in a hot, uncomfortable environment and higher cooling/ventilation costs.

6. Environmental Impact

- Lower energy consumption = reduced CO₂ footprint.
- This helps operators align with sustainability goals and decarbonization regulations.



Product Highlights:

- Custom design for perfect fit and user-friendly approach
- Removable-reusable many times over lifetime
- Double sewn, binded and stapled edges
- Stainless steel embossed ID tags for each piece
- Stainless steel fasteners
- Non-porous, non-wicking high quality materials



TAS THERMAL • ACOUSTIC • SAFETY 
BLANKET INSULATION
"Quality, sustainability, energy efficiency"

