

Improving HVAC Systems with Converted Materials

The demands from consumers are clear: They want HVAC systems that are quiet, effective and energy-efficient. To meet those demands, HVAC manufacturers need reliable partners who can create custom components on time and to exact specifications.

Bristol Tape can be that partner for you.

We have extensive experience converting materials for the HVAC manufacturing industry and can use that experience to deliver innovative solutions for your business. Our tapes, films, foils and other materials can be used for a wide range of applications that enhance HVAC system performance, efficiency, durability and product costs. Explore our services to see how converted adhesive materials can improve your HVAC products.



Sealing and gasketing

The efficiency of HVAC systems depends on creating airtight seals to ensure heated or cooled air doesn't leak out and escape before reaching its destination. We can convert a wide range of gasketing materials and adhesives to form airtight seals for different HVAC components. Whether you want to achieve a target ingress protection rating or just want to increase energy efficiency, adhesive solutions can provide the durable, effective sealing you need.



Panel bonding

Panel bonding is one of the most common applications for adhesives in the HVAC manufacturing industry. Whether it's large duct panels or structural panels on ACs, furnaces, and other HVAC equipment, adhesive tapes can provide reliable panel-to-panel or panel-to-frame bonding solutions. We regularly convert materials like 3M™ VHB™ tape that offers extremely strong bonding, is resistant to chemicals and can withstand significant hot or cold temperatures.



Eliminating mechanical fasteners

Screws and rivets are used frequently in HVAC assemblies to secure panels and other components. But these mechanical fasteners can come loose over time. When that happens, they can cause unwanted noise and vibration. They can also rust or corrode, which adds maintenance costs and increases the total cost of ownership for the system. Pressure sensitive adhesive (PSA) tapes can replace these fasteners while speeding up the assembly process and reducing the weight of the system.

Benefits of adhesive tapes

- Lightweight
- Durable
- Easy to work with
- Cost-effective
- No clean up
- Fast assembly

Materials

Materials we convert for HVAC manufacturing applications include:

- Electrical tape
- Gasketing materials
- Thermally insulating tapes
- Polyester tapes
- 3M™ VHB™ tape
- Adhesive transfer tapes
- Single-coated tapes
- Double-coated tapes
- Masking tapes
- Films
- Foils
- Foam tapes
- Papers
- Rubbers
- Specialty tapes

Our converting services

We offer a suite of precision material converting services, including:

- Die Cutting
- Slitting
- Sheeting
- Labeling
- Warehousing and Distribution



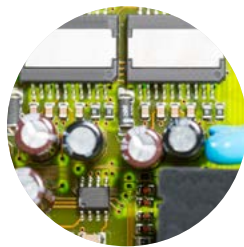
Watertight seals for water pumps

For larger, commercial systems that involve water pumps and related equipment, adhesives can provide reliable, watertight seals. We can convert adhesive transfer tapes and other durable materials to create watertight seals with incredibly thin bond lines. This not only helps improve system durability, but can also enhance the aesthetics of HVAC systems and increase design freedom.



Thermal insulation

Thermal insulation can boost system efficiency and improve product safety by effectively managing thermal energy. We can die cut insulating foams, tapes and other materials to exact specifications with tight tolerances to enhance thermal management solutions.



Electrical insulation

Protecting sensitive components from electromagnetic interference (EMI) and radio frequency interference (RFI) is critical for ensuring HVAC systems run properly. Electrically insulating tapes, films and foils can protect electronic components and other hardware from potential damage.

Bristol Tape

We make HVAC manufacturing projects easier, faster and more efficient.

Contact Bristol Tape today to start your next project!

