Appliance Buyers' Guide

BUDNICK CONVERTING®

CONVERTING IDEAS INTO SOLUTIONS

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Key Application Solutions

Assembly

ATTACHING & MOUNTING TAPES

Double sided tapes attach spacers, trims, nameplates, bumpers, gaskets and more

HIGH BOND FOAMED ACRYLICS

Offer structural bonding strength without the mess and delays caused by liquids and fasteners

MASKING PRODUCTS

Mask off components before painting with general area films, paper masking tapes, fine line tapes, and powdercoating masking film tapes

ANTI-SLIP MATERIALS

Low skid PU foams keep shelves from sliding or act as foot pads to keep appliances stable

Foaming

AIR/GAS VENTING

Porous tapes and foams are used to cover venting holes to escape and draw foam thoughout the cavity

MASKING TAPES

Used to hold on trim pieces during the foam injection process

BONDING & MOUNTING

Double sided tapes are used to secure bolt spacers and fixtures to cabinet walls and often replace mechanical fasteners and glues

HOLE COVERING TAPES

Foil tapes and heavy duty clear tapes are used to cover holes and seams to prevent foam leaks

Gasketing

PVC FOAMS

Seal against air, dust, and moisture between components along seams

VINYL NITRILE FOAMS

Used for seaming areas that are exposed to higher temperatures, or where higher insulation value is needed

SILICONE RUBBER, SPONGE, & FOAM

Create thermal and electrical insulation around lighting, heaters, and electrical fixtures

SOUND & TEMPERATURE CONTROL

Sound absorbing and heat reflective materials are used around compressors, motors, and evaporator coils to control sound and manage heat

Transportation

SURFACE PROTECTION

Compressible foam sealants create air tight seals under demanding conditions

STRAPPING AND BUNDLING

Filament and removable tensilized polypropylene tapes secure shelves and drawers, or help bundle parts together

PROTECTIVE SPACING PADS & SPACERS

Foam and rubber protective pads prevent movement or load shifts during transportation

INSIGHTS

WE'RE DOING THINGS OTHERS CAN'T.

Oven Glass Attachment

Attaching glass in oven doors has always been a source of frustration. Mechanical fasteners don't look good or adapt to thermal expansion and contraction. Most high bond tapes are not thick enough to properly fill gaps in the door skin, so many oven manufacturers are forced to use multi layered tapes.

These products are seldom configured to the exact thickness. The wrong thickness of tape leaves gaps in the bond line and distorts the door causing aesthetic and functional issues. Members of the Budnick team found a high bond tape that can be made thicker than what was previously available in the industry. We also developed proprietary converting processes to provide the super thick, high bond tape in a production friendly part.

The black Budnick custom parts aren't noticeable, eliminate fasteners, create distortion free lines, adapt to thermal expansion and contraction, reduce hot spots in the door, prevent screw damage, and even avoid repetitive motion injuries.

CASE STUDY

Oven Door Assembly

Customer Need

Our customer, an appliance manufacturer, was using an expensive double coated foam in an oven door assembly as a gap filler. Their previous supplier was stacking two of the double coated tapes together that were separated by aluminum foil. This method was somewhat useful but was not the right thickness. Additionally, there were issues with the foam parts merging back together on the rolls after having been cut.

The Budnick Solution

We collaborated with one of our vendors and began testing a high bond, acrylic foam tape. The appliance manufacturer's engineers were intrigued when they learned the foam tape could be designed to a particular thickness, prompting our vendor to design a 140 mil thick foam.

The foam was then butt cut on a press. We were able to create a 1/16" gap between the parts on the roll to prevent them from merging back together. Today we provide over 800 parts per roll to the customer. We sell them in roll form as a convenience to the customer's inventory system.

Enhanced Productivity

The production workers no longer struggle with parts sticking together and breaking. The parts now come presented on a double coated liner. The workers prefer this, as the top release liner is removed, exposing the adhesive on multiple parts. As a result production times have improved and the gap is sufficiently filled in the oven door.

WHY BUDNICK?

Custom Products and Services Enhance Your Productivity

The Budnick team partners with our customers to increase the performance of both the product and the process. We offer thousands of materials from dozens of manufacturers and convert to the most user-friendly form for each of your unique applications. These customized solutions can reduce your overall costs and simplify the application and/or removal of adhesive coated parts. With specialists in sourcing, engineering, prototyping, dispensing, and applying your tape, we work hard to identify your best solution.

The Converting Experts

Our development specialists average more than 20 years of experience in the tape industry. With instant access to technical gurus at 12 major tape manufacturers and an internal support team of more than 20 people, we can quickly resolve challenging custom application issues, source the optimal material, engineer the ideal part, and convert your material to exacting tolerances

Your Satisfaction is Our Priority

Budnick is a customer focused organization. To fully understand your needs and drive value for your company, we partner with you to learn your business, the needs of your job function, and your unique applications.

We're Easy to Work With

While we have great systems and procedures in place, we realize that sometimes you have special circumstances and you just need some friendly help to get out of a jam, so we empower our associates to do what it takes to keep you running.

Budnick makes industrial manufacturers more productive when using adhesive tapes, foams, films, papers, foils, and other flexible materials. We utilize over 60 years of experience and more than 50 technologically advanced converting machines to custom slit, die cut, print, spool, laser and waterjet cut these materials into cost-efficient and labor saving customer parts.

Services

- Application Engineering
- In-Line Laser Cutting
- Rewind Slitting
- Lathe Slitting
- Rotary Die Cutting
- Flatbed Die Cutting
- Traverse Winding (spooling)
- XYZ Axis Table Plotter
- Sheeting
- Laminating
- Perforating
- Waterjet Cutting
- Flexographic Printing
- Inkjet Printing
- Sequential Numbering
- Bar Coding
- Island Placement
- Adhesive Coating
- Pattern Coating
- Extended Liners
- Private Labeling & Packaging
- Custom Fabricating
- Large Adhesives Inventory
- Inventory Management
- Contract Converting
- Project Consulting
- Prototyping

Adhesive and Non-Adhesive Materials

- Double Coated Tapes
- Adhesive Transfers
- Non-Woven Materials
- Foams (adh. or no)
- High Bond Acrylics
- Masking Papers
- Filament Tapes
- Cloth Tapes
- Laminates
- UHMW material
- Tensilized Polypropylene
- Polyvinyl Chloride (PVC)
- Unplasticized PVC
- Polyimide
- Polyester
- Polypropylene
- Paper
- Foil
- Polyethylene
- Polyurethane
- Polytetrafluoroethylene
- Glass Cloth
- Label Stocks
- Gaskets
- Films
- Plastics
- Rubber
- Heat Activated Tapes
- Water Activated Tapes
- Sound Damping
- Reclosable Fasteners
- Rubber and Plastic Extrusions
- Silicone Sponge and Rubber
- 3M HAF Filters
- Fabrics and Textiles
- Magnetic Stocks and Tapes

Need Help with an Application?

Give us a call!

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