



**CUSTOM DIE-CUT SOLUTIONS
WITH 3M VHB FOAM TAPES**

SRP



3M | VHB™
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Your customers expect performance and durability. Deliver it.

- SRP's custom die-cut solutions with 3M VHB & RP-Plus foam tapes
- Permanent bonding for **panels, electronic displays** and **nameplates** in the **appliances** and **electronics industry**

VHB SOLUTIONS: THE RIGHT TAPE FOR THE RIGHT PRODUCT

3M's line of VHB bonding and the RP-Plus foam tapes deliver unparalleled bonding solutions for products customers use every day. In the appliance and electronics industry, identifying the right tape for mounting panels, holding electronic displays and affixing nameplates requires a technical analysis of the adhesive.

An electronic display for an oven range and a display for an outdoor kiosk each demand a fastener with different performances levels.

Your brand is riding on your choice of fastener, and that comes down to identifying the tape that delivers the lasting hold and endures the stress of daily use.

We're here to make sure the VHB tape meets the unique demands of your product. Learn about our expert-backed solutions and full-service converting services.

WHY VHB TAPE?

- Fast and easy replacement for bulky fasteners (rivets, welding and screws)
- Boost throughput — no drilling, welding or cleanup
- Timesaving assembly with bonding on contact, reaches handling strength immediately
- Achieve design innovation with VHB's ability to bond with thinner, lightweight and dissimilar materials

SRP'S FULL-SERVICE CONVERTING SOLUTIONS WITH 3M VHB TAPE

Whatever bonding solution your product needs, SRP can die cut it to your exact specifications.

Electronic displays



Nameplates and logos

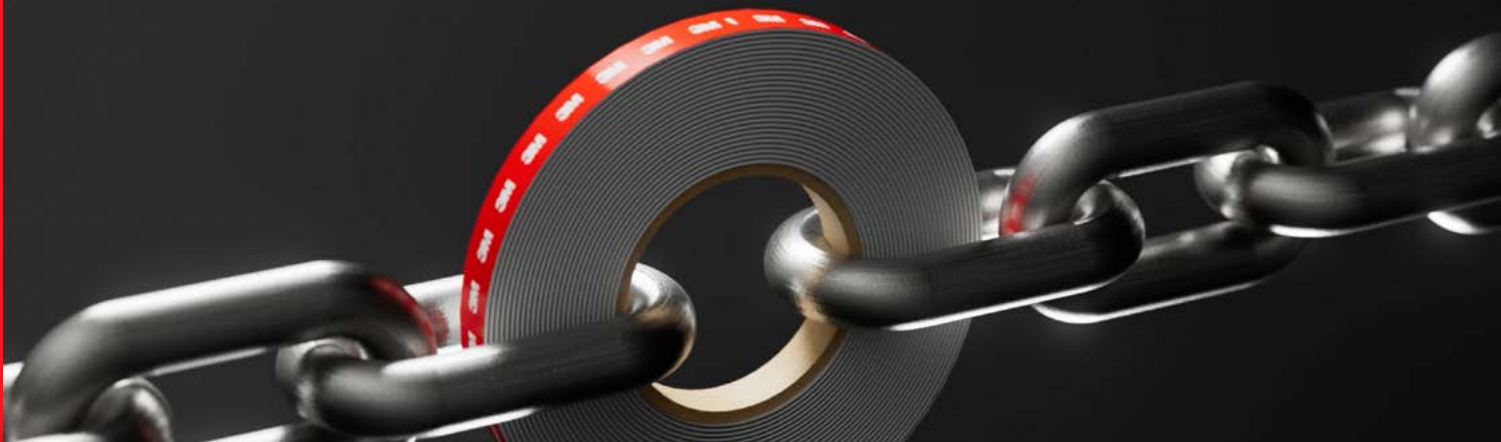


Stiffener to panel



Panel to frame





CHOOSING THE RIGHT VHB TAPE

Part of the analysis of choosing the right VHB tape is accounting for surface properties, so you can achieve that durable, permanent bond that your electronic display or appliance panel requires.

To narrow your selection, the 3M family of VHB tapes are organized by the surface energy it's designed to conform to and adhesion strength.

HSE	3M™ VHB™ Tape	Where to Use	
	4941 Family	Greatest Strength	
	RP+ Family	Mix of Strength, Comfortability	
	5952 Family	Paints, Irregular Surfaces	
	LSE Family	Plastics and Composites Bonding	
Adhesion			LSE

APPLIANCES: ELEVATE DESIGN & QUALITY WITH FAIL-SAFE FASTENING

A shiny new appliance can instantly elevate a room. With VHB tape, you can ditch the bulky fasteners and achieve the modern, sleek look that generates excitement and compels customers to buy.

With unparalleled strength, VHB tape locks panels, electronic displays and nameplates in place for the life of the product. By spreading stress loads across the entire length of the joint, VHB tape adheres materials with a powerful bond.

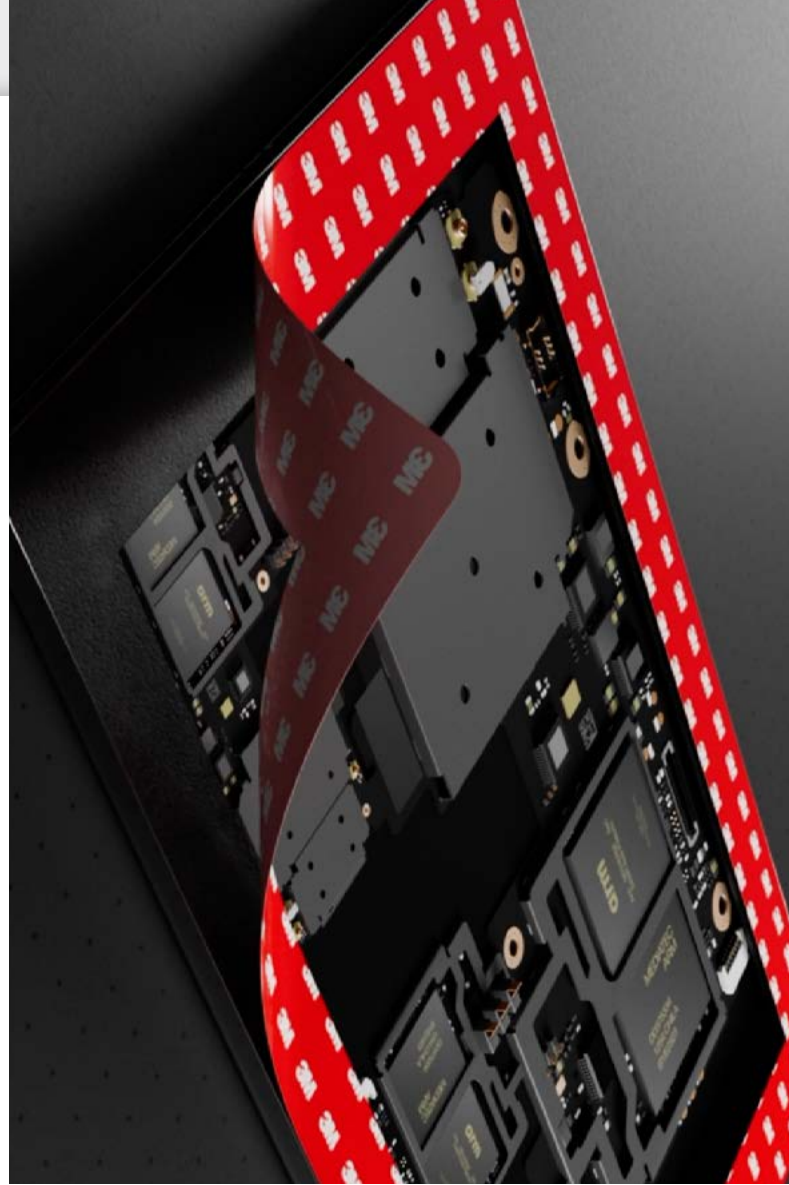
End uses and applications: brand placards, internal components, small appliances, kitchen/cleaning tools

Achieve design and function with 3M VHB tapes for appliances:

- Achieve high strength and lasting performance with a bond that resists high heat, freezing temperatures and moisture.
- Enhance customer experience with sound and vibration-dampening foam core that guards against unwanted noise, wear and tear.
- Modernize your look with a nearly invisible bond that leaves behind smooth surfaces.
- Gain strength with a conformable acrylic foam core that can take the stress.

ELECTRONICS: PROTECT INNER INTELLIGENCE WITH DURABLE SEALING

Today's customer is seeking higher intelligence in their devices — robotics, smart devices, embedded systems — to analyze, monitor and perform everything from daily tasks to lifesaving functions. To protect your customer's data and daily routine, you'll want to safeguard your forward-thinking technology from the outside elements and everyday accidents.



End uses and applications:

Consumer household products (network hubs, IoT sensors, cameras, thermostats) and medical devices (output devices, scanners, accessories)

Next-level protection with 3M VHB tapes for electronics and technology:

- Reduce loss and customer dissatisfaction with a permanent seal that protects the insides against water and moisture.
- Enhance usability with thinner, lightweight or even dissimilar materials that adhere easily to VHB tape.
- Improve appearance with an invisible bond that keeps surfaces smooth.



3M™ VHB™ FAMILY

Frequently ordered tapes for appliance and electronics in mounting and panel applications:

<p>Material: Acrylic with a conformable foam core provides good contact between substrates even when slightly mismatched</p>	<p>Short-term temperature resistance: 300 F</p>	<p>Long-term temperature resistance: 200 F</p>
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<p>3M™ VHB™ Tape 4941</p>	<ul style="list-style-type: none"> • Surface: high and medium surface energy substrates • Substrates: metal, glass, paint, plastic, plasticized vinyl
<p>3M™ VHB™ Tape 5962</p>	<ul style="list-style-type: none"> • Surface: high, medium and medium/low surface energy substrates • Materials: metal, glass, plastic and paint, including many powder coated paints
<p>3M™ VHB™ Tape LSE</p>	<ul style="list-style-type: none"> • Surface: low surface energy substrates • Materials: plastic and paint
<p>3M™ VHB™ Tape RP+</p>	<ul style="list-style-type: none"> • Surface: high and medium surface energy substrates • Materials: metals, glass and a wide variety of paints and plastics

PREPARE FOR A SUCCESSFUL PRODUCT LAUNCH WITH SRP SOLUTIONS

Our expert-approved bonding solutions and full-service custom-converted 3M foam tapes meet your exact specifications

3M PREFERRED PARTNERSHIPS WITH SRP

Our customers benefit from our 3M Preferred Partnership.

- **Quality materials:** VHB and RP-Plus foam tapes are sourced direct from 3M for guaranteed quality and shelf life.
- **Right tape, right job:** Our in-house VHB tape experts stay up to date with the latest developments on industry and materials to select best VHB family and product for your custom part — quickly and accurately.
- **Membership benefits:** Of course, we let you have the most important benefits of our 3M Preferred Partnership — priority material delivery and best-in-industry pricing.

REPEATABLE, EFFICIENT & FAST: MANUFACTURING YOUR CUSTOM PART

What do we use to fabricate custom parts from 3M **VHB** and **RP-Plus** foam tapes?

Flatbed die cutting and rotary die cutting produces the best quality parts for the best prices. Die cutting is scalable, highly repeatable and keeps waste to a minimum.



FLATBED DIE CUTTING

- Get precision-cut shapes cut to your most stringent tolerances
- Ideal for achieving even, precise edging in thicker materials



ROTARY DIE CUTTING

- Stamps out kiss-cut shapes on a liner for easy removal for a classic peel-and-stick application
- Formatted on rolls or with tabs for easy handling

CONCLUSIONS

Appliance and electronics endure a lot of stress in everyday use, and require a high-strength fastener that locks displays and nameplates in place, while keeping out the dust and damp, for the life of the product. SRP is your trusted full-service converter for uncontested mounting and holding solutions using 3M VHB and RP-Plus foam tapes.



DROP US YOUR CAD FILE AND REQUIREMENTS FOR A HASSLE-FREE QUOTE.

GET A QUOTE