Adhesives Research has been designing, developing, and manufacturing leading-edge, electrically conductive adhesive products for more than 20 years. Each design challenge we solve broadens our technology portfolio to benefit your project.

Our Insight® and experience enable us to be a great problem-solver, a proven innovator, and a valuable partner to our clients in the electronics, medical, and pharmaceutical industries.

While other companies ask you to choose from off-the-shelf solutions to solve your singularly complex problem, Adhesives Research works with you to develop the precise electrically conductive pressure-sensitive products needed for your project.

**Adhesives Research is a world leader in electrically conductive pressure-sensitive adhesive products.**

Our electrically conductive pressure-sensitive adhesives offer strong, reliable bonds while providing a consistent electrical interconnection. Our products:

- Feature homogeneous conductive adhesive technology for new levels of stability and consistency.
- Provide reliable electrical contact without pressure.
- Combine excellent bond strength with stable conductivity, even under mechanical and environmental stress.
- May be customized by modifying adhesive chemistry, forms and constructions, adhesive thickness, and release liner selection to meet your specific and unique needs.
- Can be manufactured into wide format rolls and laminates, single- and double-coated tapes, sheets, and die-cut parts.

With Adhesives Research as your partner, the final product is an electrically conductive adhesive precisely tailored to your specifications. We bring you the innovation essential to a successful product launch.

**Our technology provides the following advantages:**

- Excellent and tailorable X,Y,Z conductivity
- Ambient temperature bonding
- Stable temperature performance
- Thin, uniform bond line
- Permanent bonds
- Easy, clean application
- Bonds instantly
- Easily die-cuttable

**offering increased functionality...**

Our pressure-sensitive electrically conductive adhesives increase the functionality of your product by delivering the essential bonding and conductive properties you need. Specifically, they:

- Enable electrical conductivity between or across adhesive bonds.
- Form precise electrical interconnections.
- Offer tailorable volume and surface resistance.
- Demonstrate consistent electrical conductivity in variable temperature and humidity conditions.
- Are designed to be compatible with other materials, including low surface energy materials.
- Enable smaller designs through thin, effective bonds.
- Provide reliable bonds with strong cold drop performance and shock resistance.

**...and proven performance in a range of applications.**

Our pressure-sensitive adhesives are used in the electronics field for electrical interconnection and assembly; EMI/RFI shielding and grounding; and static dissipation and control.

We also offer skin-friendly conductive adhesives for medical and pharmaceutical applications.

Some markets and products where Adhesives Research’s electrically conductive technology is used include:

**Electronics:**

- Displays and touchscreens
- Mobile phones
- PDAs
- Computers
- Static dissipative labels
- Automotive electronics
- Robotics
- Satellites and aerospace

**Medical and Pharmaceutical:**

- Electrochemical diagnostic devices
- Electrodes (including TENS, ECG, EEG and defibrillators)
- Biosensors
- Iontophoretic transdermal drug delivery systems

**put our experience to work for you.**

Contact us to see how the reliable bond strength, stable conductivity, and design flexibility offered by our electrically conductive adhesives can take your product further.

**electrically conductive adhesive technologies**

- Carbon-filled adhesive matrix
- Carbon- and metal-filled adhesive matrix
- Carbon and silver compound adhesive
- Adhesive-embedded composites for X-Y vs. Z conductivity control
- Conductive films and laminates

www.adhesivesresearch.com
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www.adhesivessresearch.com
An independent developer and manufacturer of pressure-sensitive adhesives, tapes, specialty films, coatings, and laminates.

Electrically Conductive Adhesive Technologies

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