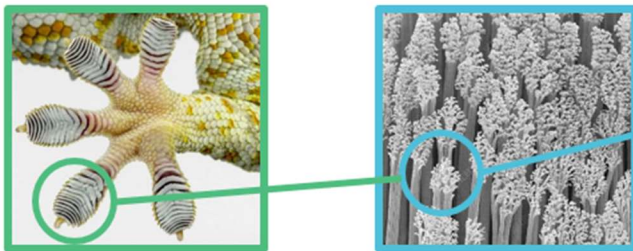




THE NEXT STEP IN ADHESIVE EVOLUTION

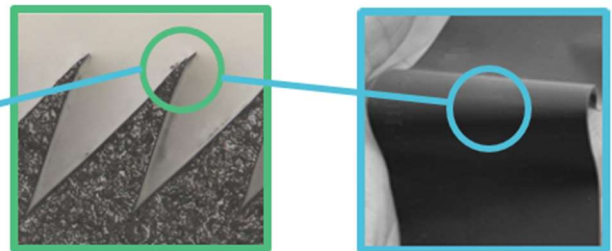
geCKo Materials produces **reusable, zero-energy,** directional Dry Adhesive for a variety of **military, space** and **commercial** applications.

Gecko Feet



The unique geometry of our Dry Adhesive mimics the gecko's foot structure creating their signature no-residue grip. Our micro wedges replicate the soles of their feet that are covered in "hairs" called setae.

geCKo Materials Dry Adhesive



Each wedge tip, 1/100 of a human hair thickness, engage in shear using van der Waals force, not suction. A one square inch tile of our Dry Adhesive is covered in over 400 wedges that can hold 15 lbs. 6 tiles can pull a car!

Dry Adhesive Capabilities



Reusable up to 120,000 times; no residue



Requires No Energy or Force to Attach/Release



Hold ~120kPa in Shear Strength



Food-Safe/ Medical Grade Silicone



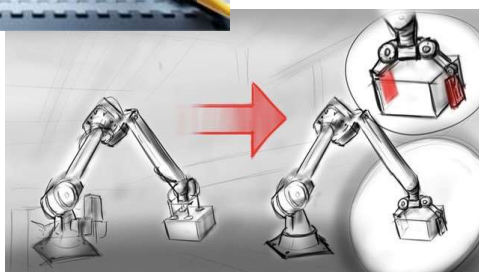
Attach and Release in Milliseconds



Temperature Operating Range - 115C to +350C



Dry Adhesive easily replaces costly, toxic and noisy vacuum pumps



- Eliminates costly maintenance, energy-consuming vacuum pumps; frees up space
- Grasps smooth or semi-smooth materials
- Enhances manipulation of robotic arms
- Surface-safe and leaves no residue
- Handles tacky surfaces without residue transfer
- Easily integrated into existing process; saves time and money
- Requires no pinch force
- Patented IP for both product and manufacturing processes



Robotic Grip & Manufacturing