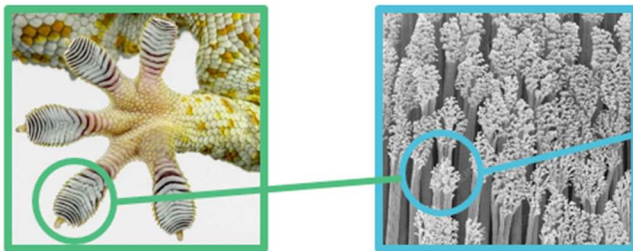




THE NEXT STEP IN ADHESIVE EVOLUTION

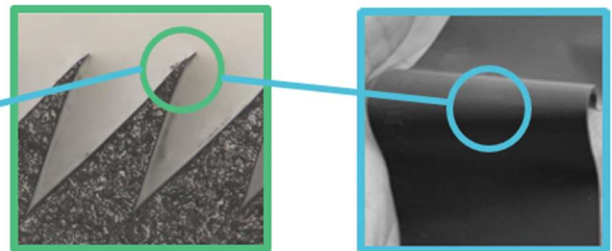
geCKo Materials produces **reusable, zero-energy,** directional Dry Adhesive for a variety of **military, space** and **commercial** applications.

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



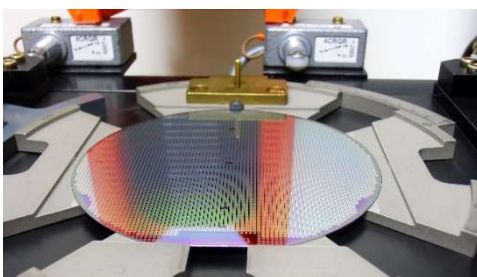
Wafer-Safe/ Medical Grade Silicone



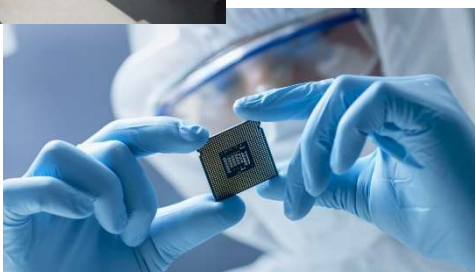
Attach and Release in Milliseconds



Temperature Operating Range - 115C to +350C



Dry Adhesive easily replaces costly, toxic and noisy vacuum pumps



- Certified for cleanroom environments; ISO 7
- Minimal outgassing
- Uniform loading and unloading pressure in any barometric environment
- Eliminates chuck pump downtime
- Grasps smooth and semi-smooth materials or packaging at high and low temperatures
- Will maintain hold between
- Reduces carbon footprint
- Patented IP for both product and manufacturing processes



Wafer & Delicate Materials Production