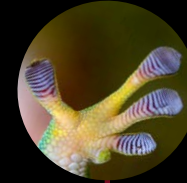


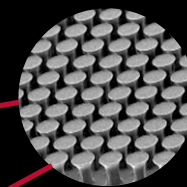


Unprecedented Dry Adhesion and Grip Inspired by Geckos

Setex Technologies leverages our patented, gecko-inspired technology to commercialize innovative dry adhesive and gripping products that help keep things in their place and people in control. Our platform technology consists of micro-scale fibrillar structures, inspired by the structures on a gecko's foot, that can be incorporated into products for a wide variety of industries including semiconductor, medical, wearables, printing, and electronics.



Biology



Biomimicry



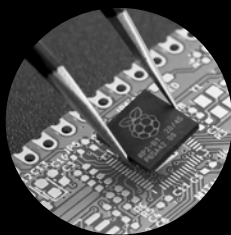
Grip



Tape

Technology Applications

Semiconductor

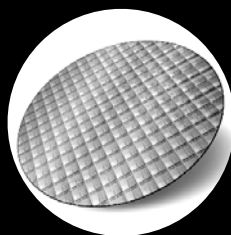


Chip Handling and Transfer Tape
Wafer Handling
Pick and Place

Back Grinding and Dicing

Polishing

Electronics



Low Tack Tape
Temporary Bonding

Printing



Flexographic Plate Adhesion
Inkjet Masking

Medical



Packaging
Skin Grip
Wound Healing

Wearables



Eyewear
Consumer Electronics
Apparel

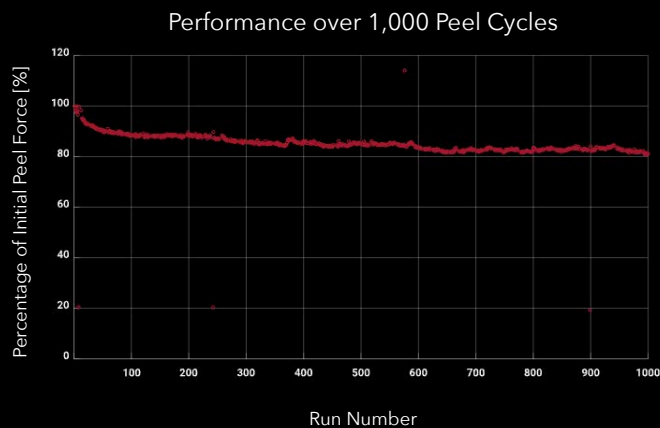


Tape Technology

Setex® Gecko Tape is the world's first commercial implementation of dry adhesive technologies; a solution that is dry, repeatable and residue-free. It is ideal for leading product designers and manufacturing engineers who are looking for innovative solutions – removable tape, no residue clean room tape. Currently available as a custom solution, Setex Tape can be manufactured in a wide range of strengths and constructions.

Setex Tape: Attributes and Benefits

- **Repeatability:** Tape provides repeatable adhesive performance, unlike Pressure Sensitive Adhesives that lose their strength over time.
- **Residue-Free:** Tape does not leave any sticky adhesive residues when it is removed from a surface.
- **Dry / Glue-Free / Non-Tacky:** Tape is completely dry, providing exceptionally strong adhesion without tack.
- **Customizable Performance:** Tape can be designed with varying shear, peel, and tensile adhesive strengths to fit your application's needs.



Grip Technology

Setex's grip is a high friction microfiber surface inspired by the microscopic hairs, or setae, of a gecko's foot. The microfiber tips provide enhanced friction, and the gaps between them function to wick away fluids like sweat or skin oils from the surface, improving the friction even in challenging conditions. The fibers also provide a comfortable feel and can reduce skin irritation.

Setex Grip: Attributes and Benefits

- **Materials Supported:** Grip materials can be formed from a range of castable plastics and elastomers, in film format or bulk parts. We can introduce Setex surfaces to our partners' products via in-mold tool design.
- **Customizable Performance:** Grip can be designed with varying grip or friction strengths to fit your application's needs.
- **Dry / Residue-Free:** Grip is completely dry, providing amazing gripping or friction without the stickiness and residue of chemically treated pads.
- **Comfort:** Grip can be tailored to a variety of materials and forms, eliminating the abrasive feel of sandpaper pads and other rough materials.
- **Low Profile / Conformable:** Grip can be made film-thin and conform to a wide range of shapes.

