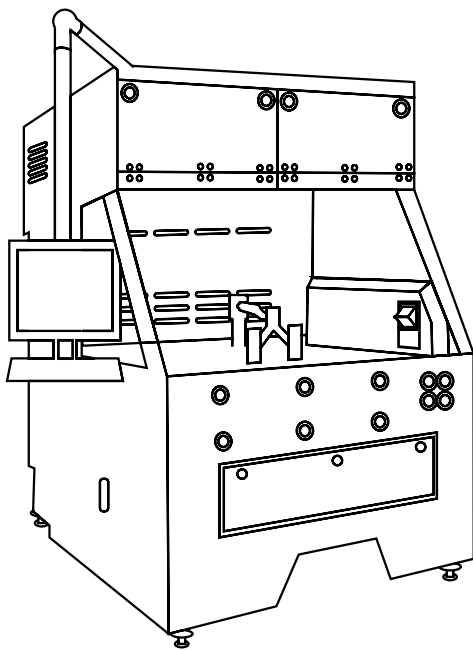


Aqueous Semiconductor Solutions

A Full Range of Materials for Every Fab

Greene Tweed offers a full spectrum of materials to suit the needs of a variety of semiconductor fabs. Greene Tweed has sealing solutions for fabs that use the most advanced technology nodes in the most aggressive operating environments, as well as those requiring less-stringent particle process controls.

Material	Compression Set @ 25% Deflection, %	Hardness, Shore A	Max Service Temperature
Chemraz® 571 Durable compound for wet applications with high sealing loads	70 hours @ 204°C, 35%	80	210°C
Chemraz® 551 Broad chemical resistance at high temperatures	70 hours @ 204°C, 20%	80	316°C



Superior Performance

- Minimal extractable ion content
- Exceptional chemical resistance
- Low particle generation
- High dimensional stability

Operational Benefits

- Superior reliability
- Enhanced repeatability
- Maximum system uptime
- Lower cost of ownership

Process Applications

Chemraz® materials can be used in a wide variety of aqueous processes, including:

- Wet etch (acid, base)
- Wet stripping (solvents)
- Wet cleaning (UPDI)
- Wet metal plating
- Chemical Mechanical Planarization (CMP)
- Chemical and deionized (DI) water handling systems

Process	Typical Application Temperatures	Process Environments	Recommended Products
Wafer Preparation	25 – 125°C	UPDI, Piranha, SC-1, SC-2, O3, HF (49%)	Chemraz® 570, 571, 551

Dynamic Applications	Static Applications
<ul style="list-style-type: none"> • Door seals • Valves (check valves, shutoff valves) 	<ul style="list-style-type: none"> • Lid seals • Drain seals • Filters and filter housings • Wet stations (cleaning and etching)

Greene Tweed

1684 South Broad Street | Lansdale, PA 19446 USA | Phone: (+1) (215) 256-9521 | gtweed.com

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products.

© 2023, Greene Tweed all rights reserved. All trademarks are property of their respective owners.

06/23-GT BR-US-SC-AQ-001