



AT A GLANCE

[Safety](#)  
[Autopsy Report](#)  
[Titanium 30](#)  
[New Products](#)  
[Battery Seminar](#)  
[Upcoming Events](#)

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### **Low Cost and High Performance**

Dreamweaver has a roadmap to deliver the lowest cost, highest performance battery separators at 10 microns thin, stable to 300 C, and produced on modern high speed production equipment.

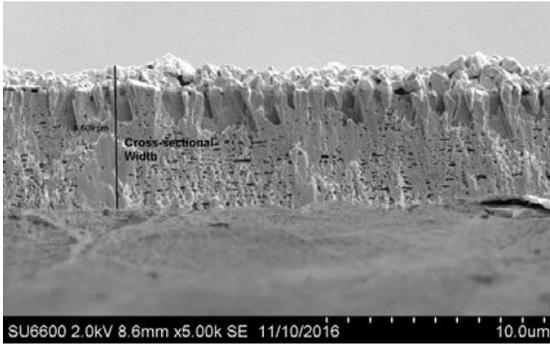
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### **Silver 20 in Testing, Showing Superior Safety Results**

[Dreamweaver Silver 20](#) is in testing at over 50 potential customers. Preliminary results show improved safety results in pouch cells, as can be seen in this [customer video](#) of a nail penetration test. Hot box tests have also shown improved results. Silver 20 is designed for pouch cells that need superior safety and operate at a 1C rate or slower. A ~16 micron version is due out in 2017 which will operate at higher rates and deliver higher energy density.

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### **Samsung Galaxy Note 7 Dreamweaver Autopsy Report**

Dreamweaver has autopsied two Samsung Galaxy Note 7 cells, and produced a report with the details. Our assessment is that there were four potential design risks in the cell, which combined to create infrequent, but still unacceptably high, rates of failure. There was no evidence from our study of any manufacturing defects or of compromises made to cut costs, but rather a very aggressive design. [Read the full report.](#)



### **New Safety Products**

Recognizing the importance of safety in lithium ion batteries, Dreamweaver is developing a full portfolio of safety enhancing components, including non-separator products. Look for product announcements in 2017, or call today to set up a confidential technology overview. [\(864\) 968-3320](tel:8649683320) or [Laura.Bruce@Dreamweaverintl.com](mailto:Laura.Bruce@Dreamweaverintl.com)



The Dreamweaver International team wishes you a happy and safe holiday season!



### **Price Reduction for Titanium 30**

Dreamweaver and Glatfelter have a roadmap to reduce production costs significantly over the next three years. As promised, we will be sharing those production cost reductions with our customers.

The first example of this is a significant price reduction for [Titanium 30](#), our first mass production product. Please [call](#) or [email](#) to discuss how this can help your business become more competitive.

[\(864\) 968-3320](tel:8649683320) or

[Laura.Bruce@Dreamweaverintl.com](mailto:Laura.Bruce@Dreamweaverintl.com)



### **2017 Battery and Fuel Cell Seminar**

Dreamweaver will be hosting Shmuel De-Leon for the annual Battery and Fuel Cell Seminar located in Greenville, SC.

Topics discussed include:

1. Present and future needs of portable and stationary electrochemical energy sources
2. Highlights the latest technological developments designed to satisfy application requirements.
3. Primary, rechargeable, reserve, commercial, industrial and military batteries, fuel cells, ultra capacitors system
4. Typical cycle life aspects of designing and manufacturing energy source solutions  
Special focus is given to battery design and testing aspects
5. Trains attendees on safety issues along the energy source solution cycle life.

To register please visit the registration page on our website.

[Register!](#)

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## Upcoming Events

- [CES 2017](#) - Las Vegas, NV - January 5th - 8th
- [Battery and Fuel Cell Seminar](#) - Greenville, SC - February 22nd - 23rd
- [Battery Japan](#) - Tokyo, Japan - March 1st - 3rd
- [NAATBatt Annual Conference](#) - Litchfield Park, AZ - March 14th - 16th
- [International Battery Seminar](#) - Fort Lauderdale, FL - March 20th - 23rd
- [Israeli Energy Storage Conference](#) - Herzelia, Israel - May 10th - 12th

You can also check our website for a [calendar of events](#).