### HEATWAVES

The latest in thermal processing from Harper International

### August 2013





# Sharing the spark.

#### Harper's Carbon Fiber R&D Workshop Brings Broad Audience Together for Diverse Technical Program

Held July 25-26th, this first-of-its-kind event attracted industry, academic and government participants with engaging content and valuable networking opportunities for a successful conference. Missed the workshop? Download the proceedings here...





#### Harper Releases New 3D Video Featuring Scale up of Carbon Fiber Lines

Check out Harper's latest video that brings to life the critical Carbon Fiber scale up path from small scientific lines to full scale production lines. In this video, several real world installations are referenced including those at Georgia Institute of Technology and Oak Ridge National Laboratory. Watch it here...

#### Learn More

## New White Paper Available: Advanced Rotary Tube Internals for Thermal Processing Optimization

Check out Harper's latest white paper on thermal processing optimization and the use of advanced rotary tube internals to achieve operational improvements for powder processing. Read about what our experts say you can do to increase heat transfer surface area, improve radial mixing, improve gassolid interactions, control gas flow direction, and even control material dwell time or velocity through the tube.





#### Focus on: Pulse™

Have you heard about Harper's Pulse <sup>™</sup> Program yet? Our comprehensive Pulse service team offers solutions for a broad spectrum of your service and maintenance requirements to help drive your operational efficiency and effectiveness. Read more about the service support offerings that can be tailored to your needs.





#### Harper to Present at Upcoming Events

Our experts are busy lending their knowledge presenting at many upcoming industry conferences and exhibitions. You can see a Harper representative at...

#### China Composites Expo

September 11-13 "Key Considerations in the Design and Scale up of Advanced Carbon Fiber Lines"

#### JEC Americas

October 2-4 "Enabling Market Demand of Alternative Precurors: Process Technology for Research of the Future"

#### Go Carbon Fiber

October 8-10 "Critical Safety and Environmental Considerations for Capacity Expansion Plans to Support Market Demand"

#### India Composites Show

October 24-26 "Process Technology Advancements in Research Scale Systems to Enable Fexibility, Control, and Data Management"

#### <u>MS&T</u>

October 27-31 "Modeling Very High Temperature, Dense Cloud, Free-Fall Heating for Particles with a Wide Particle Size Distribution"

For more information, visit harperintl.com or

