

# RadTech Report 2004

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# A Year in Review

The following is a list of articles that appeared in the *RadTech Report* in 2004. These articles provide valuable information and data for the UV and EB industry. For a copy of a specific issue, contact RadTech International at (240) 497-1243 or visit RadTech's Web site at [www.radtech.org](http://www.radtech.org) to download a specific article.

## **January/February 2004—Buyer's Guide**

- An Introduction to UV&EB-Curable Coating Technology
- EPA UV&EB Glossary of Terms
- UV&EB Buyer's Guide
- Pilot Lines & Toll Coaters

## **March/April 2004—e|s Technology Expo & Conference**

- UV-Inkjet Inks: Introduction to the Value Delivery System
- UV Coating Technology Makes Its Mark on Furniture
- Decorative Coatings Applicator Installs UV-Paint Line
- The Ecological and Economic Benefits of UV-Curing Technology
- UV Powder Provides Environmental Solution for Office Furniture
- Southern Bracing Systems Utilizes UV-Curable Adhesives to Redesign Ty-Patch
- UVacise: Hands-On Exercises to Better Understand Your UV System, Measuring Instruments and Process
- Automotive Focus Group Announces Major Milestones
- The State of UV/EB in Graphic Arts

## **May/June 2004—Academic & Emerging Technologies**

- Generation and Control of Polymer Nanostructure through Photopolymerization in Lyotropic Liquid Crystalline Media
- Update on the NSF/Industrial/University Cooperation Research Center for Fundamentals and Applications of Photopolymerization
- Comparative Study of Novel Thiol-Ene Resins and Composites
- New Oxime Ester Photoinitiators for Color Filter Resists
- Analysis of Photopolymerizations Using Optical Pyrometry
- The Effects of Changes in Average Acrylate Functionality on the Thermomechanical Properties (DMA) and Relative Reactivity (DPC) of UV-Polymerizable Systems
- Solid-State Devices—Transforming UV Curing
- Mass Spectrometry and Gas Chromatographic Retention Indices of Selected UV/EB-Curable Monomers and Photoinitiators Commonly Used in Food Packaging Print and Coating Formulations
- Academic Listing

## **July/August 2004—Wood**

- Waterborne UV-Curing Polyurethane Dispersions for Clear and Pigmented Coatings on Wood
- Re-Examining the Potential for UV-Powder Coatings
- Vacuum Application of UV-Curable Coatings
- UV Coatings Play Role in Creating Sound-Enhancing Interior for the New Walt Disney Concert Hall
- Outstanding Benefits Lead Furniture Manufacturer to UV
- Jet Manufacturer Flies High with UV
- Reading the Tea Leaves: New Emerging Applications Group to Identify and Nurture New Uses for UV/EB Technology
- Wood Coating Safety and Handling

## **September/October 2004—UV Inkjet**

- Investing in a Large-Format UV Printer: Business Realities and Opportunities
- Real Time UV-Cure Profiling, Shrinkage Determination, and Post Cure Dynamic Mechanical Analysis of Developing Network Systems
- State of the Industry in UV Inkjet
- UV-Lamp Systems for Moving-Head Digital Inkjet Platforms
- UV-Inkjet Printing for Commercial Graphics Markets and Applications
- UV-Inkjet Inks: Value Delivery System and Technology Evolution
- New Raw Materials for UV-Inkjet Inks
- UV-Inkjet Chemistry Platforms for Emerging Industrial Applications
- LED Curing vs. Conventional UV-Curing Systems: Property Comparisons of Acrylates and Epoxies

## **November/December 2004—UV in Transportation**

- UV Curing Under Carbon Dioxide
- UV-Curing Lamp Considerations for the Automotive Refinish and Repair Market
- UV-Curable Products with Superior Outdoor Durability
- Latest Developments in UV Coatings for Plastics
- Ultraviolet Radiation Cured Acrylate for Aircraft Composite Field Repairs
- Taylor Guitars and UV High-End Guitars Enabled by UV Finishing
- Development of UV-Curable Waterborne Polyurethane Dispersion for Soft Feel Application
- UV Primer in Refinish: How Does it Compare?
- UV-Curable Acrylic Urethane Clearcoats for Automotive Applications