

# RadTech Report 2005

# A Year in Review

The following is a list of articles that appeared in the *RadTech Report* in 2005. These articles provide valuable information and data for the UV&EB industry. For a copy of a specific issue, contact RadTech 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 2005—Graphic Arts & Adhesives

- Performance Properties of Electron Beam-Curable Laminating Adhesives for Flexible Packaging Applications—*By Steve C. Lapin and Charles J. Wasserman*
- Avoid the Perils of Business as Usual—*By David Harbourne*
- New Generation Low-Viscosity Matte UV Coatings—*By Albert Lin, John Bervoets and Gary Sadowski*
- UV HMPSAs: End-Use Applications for Tapes and Labels—*By Andreas Dobmann*
- New Adhesive Dispensing Technologies Keep Pace with Trend Toward Smaller Products, Tighter Tolerances—*By Terrence Woldorf*
- EB-Cured Adhesive Lamination: Hurdles for the Industry in Flexible Packaging—*By Duncan Darby and Tom Dunn*
- Comparison of Classic Arc and Microwave-Powered UV for Curing of PSA and Silicones—*By John Maitland*
- Hybrid Ink Technology—*By Anthony Bean*
- Applying Advances in LED Technology to the Use of Light-Curing Adhesives in Manufacturing Processes—*By Patrick J. Courtney and Brian Noonan*

## March/April 2005—Buyer's Guide

- EPA Special Report
- UV&EB Industry Buyer's Guide
- Pilot Lines & Toll Coaters

## May/June 2005—Environmental, Health & Safety and Regulatory

- UV&EB Technology—A Way to Reduce Greenhouse Gas Emissions—*By RadTech Technical Committee*
- Low-Emission Technologies: A Path to Greener Industry—*By Ronald Golden*
- UV-Curing Equipment Safety Guidelines—*By Susan Mitchell*
- Practical Information on UV&EB Handling for the End-User—*By Anthony J. Bean*
- Stay in Compliance with UV&EB—A Regulatory Overview—*By Rita M. Loof*
- Emerging Opportunities in Food-Contact Applications—*By Martha Marrapese, Colleen M. Evale and Sebastien Louvion*
- An Update on European Environmental and Health & Safety Issues—*By Philippe Chatton*
- Recyclability of UV&EB Printed and Coated Paper—*By David J. Korn*

## July/August 2005—UV Measurement

- Radiometric Methods for UV-Process Design and Process Monitoring—Advanced Radiometry—*By R. W. Stowe*
- UV Measurements—Essential to the UV-Curing Process—*By David Snyder*

- Robotic UV Curing for Automotive Exterior Applications—*By Paul Mills*
- Spectroradiometry in UV Curing—*By Lawrence E. Schmutz*
- RadTech Introduces Revised UV Glossary—*By R. W. Stowe*
- The Effects of UV Energy Density and Peak Irradiance on the Non-Crosslinked Components in UV-Polymerized Clear Films—*By Teresa Martinez and Byron K. Christmas*
- Perspectives in Chemistry: Searching for the Cure—*By Chris W. Miller*

## September/October 2005—Heat Sensitive Substrates

- Effects of EB-Curing Energy on Plastic Films—*By Tom Dunn*
- Formulating for Flexibility and Toughness in a UV-Curable Coating—*By David P. Eddy and Petra L'Abbe*
- A Market Introduction to Shrink-Sleeve Labels and UV—*By Zubair Khan*
- UV Coatings for Plastics—The Profitable Choice—*By John Stansfield, Petra L'Abbe and Kevin Joessel*
- A Marketing Perspective: UV Coatings on Sensitive Substrates in Auto Refinish—*By Daniel L. Maloney Jr.*
- UV-Curable Powder Coatings Based on Binders Containing Two Distinct Resins—*By Derek Dennis, John Jacquin and David Hammerton*
- High-Solids UV-Curable Basecoat and Clearcoat for Flexible Plastic Auto Components—*By Keith Cannon*
- Comparison Between Ballasting Alternatives for Medium-Pressure UV Discharge Lamps—*By László Laskai*

## November/December 2005—Special e|5 Issue

- What's in a Brand: The History of e|5—*By Mickey Fortune*
- Regulatory Impact of UV&EB Curing for Composites—*By Rita Loof*
- The New Inkjet World is Flat: UV Brings Possibility through Flatbed Imaging—*By Dan Marx*
- EPA Announces Green Chemistry Award for UV Primer—*By Bradley Richards*
- EB Technology—A Converter's Winning Solution—*By Rick Sanders*
- UV Curing Helps Meet the Exploding Demand in the Cabinet Industry—*By Mickey Fortune*
- Innovative Applications with UV-Curable Technology—*By Timothy J. Tanner*
- Characterizing the Output and Performance of Solid-State UV LED Sources—*By Paul Mills*
- Huhtamaki Takes Packaging Further with EB—*By Rita Loof*
- UV&EB-Curing Technology: Pollution Prevention Benefits Speak for Themselves—*By Martha Marrapese*