RadTech Report 2001

A Year in Review

The following is a list of articles that have appeared in the *RadTech Report* in 2001. These articles provide valuable information and data for the UV and EB industry. For a copy of a specific issue, contact RadTech International at (301) 664-8408 or visit RadTech's Web site at www.radtech.org to download a specific article.

January/February 2001—Buyer's Guide/ Pilot Lines & Toll Coaters

- **Buyer's Guide**
  —Product Categories
  —Company Directory
- **Pilot Lines & Toll Coaters**

March/April 2001—Information Technology/ Communications

- **UV-Coating Technology Provides Big Payoffs for Kidde-Fenwa** *—By the Office of Technical Assistance, Massachusetts Executive Office of Environmental Affairs*
- **Bonding: A Sticky Subject***—By Tony Seideman*
- **Characterization of Electrophoretic Photoresist for Superior Resolution in High Density Packaging***—By Timothy Schmitt, Patricia Goldman and Gary Orosz*
- **Aqueous UV-Curable Ink for Inkjet Printing***—By Hiromichi Noguchi and Masako Shimomura*
- **FDA Compliant UV/EB Epoxy-Silicone Release Coatings** *—By Stuart R. Kerr III and Richard S. Bush*

May/June 2001—Emerging Markets

- **In Situ Photopolymerized Hydrogels for Vascular and Peritoneal Wound Healing***—By Amarpreet S. Sawhney and Jeffrey A. Hubbell*
- **UV/EB Gains Regulatory Recognition***—By Rita Loof*
- **Composite UV Cocooning℠***—By Roger McCartney*
- **MSA: Building a Business Case***—By John Worrad*
- **UV Cured in Place Liners***—By Börje Persson*
- **In-Line Fabrication of Optical Verification Devices (OVDs) for Pharmaceutical and Medical Packaging Applications** *—By Lars R. Lindvold, Jan Stensborg and Torben Rasmussen*
- **Demonstration and Development of Filament Winding Using Photoinitiated Resins***—By Ellen Lackey, Kapil Inamdar, Leah Worrel, W. Al-Akhdar and D.A. Wostratzky*

July/August 2001—Graphic Arts/Adhesives

- **Establishing a Regulatory Status for UV/EB-Cured Inks and Coatings in Food Packaging***—By Catherine R. Nielson and George G. Misko*
- **UV-Flexographic Inks: Correlation Between Rheology and Press Performance***—By Robert J. Geiger and Charles A. Henderson*
- **A Short History and Current Developments of UV-Curing for Ink Jet Printing***—By Vincent J. Cahill*
- **Advances in Radiation-Curable PSAs***—By Ranjit Malik*
- **Elextron Beam-Curable Laminating Adhesives for Flexible Packaging***—By Stephen C. Lapin*
- **Hybrid Ink Technology Offers Advantages to Printers** *—By Anthony J. Bean*
- **The CoCure™ Process Takes In-Line Coating to the Next Level** *—By Keith Tap*
- **Energy Curing—Advancing the Graphic Arts Through Innovation and Performance***—By Kevin Berger*
- **Basic Economics of UV Inks for Narrow Web Printing***—By David Snyder*
- **The UV Choice—An End-User Testimonial***—By Ann Marie Lanser*
- **Value Line for Commercial Printers—UV-Curing Equipment on Web Presses Provide the Biggest Bang for the Buck***—By Erich Midlik*
- **The "Thin Red Line"—Basic Radiometry: What to Buy and What to Measure***—By R.W. Stowe*
- **Narrow-Web Combination Printing and Converting with Energy-Curable Inks and Coatings***—By Glenn Webster*
- **Revisiting ASTM VOC Method D5403***—By Rita Buehner*
- **The MACTS Are Coming***—By Alexander Ross*

September/October 2001—Powder, Wood and Plastics

- **UV-Powder Coating Process for MDF The Basics from Start to Finish***—By Jennifer Heathcote*
- **Test for Success UV-Powder Coatings for MDF** *—By Richard Bayards, Walt Blatter, Carlos Concha, Christine Griese, Brian Shepherd and Eugene Sitzmann*
- **Too Hot to Handle Addressing Heat Issues in Wood Finishing** *—By Greg Ellis and Bill Sparks*
- **UV Makes Lipstick Maker Shine***—By Mary Scianna*
- **Going for the Gold***—By Milton Meshirer*
- **Photopolymerization in Compact and Digital Versatile Disks Manufacturing: Peculiarities of Oxygen Effects** *—By Vadim V. Krongauz and Chander P. Chawla*
- **UV-Hydro Adhesion Primer on Wood***—By Klaus Menzel and Craig Glotfelter*
- **The First UV-Powder Line for Wood in North America***—By Paul Mills*
- **UV-Curable Vacuum Applied Coatings***—By Gregory Bryant and Oscar Valdes-Aguilera*

November/December 2001—Automotive

- **TEAM UV: Leading Edge Technology for the Automotive Industry** *—By Paul Mills*
- **Bodyshops Rev Up Production New UV-Cured Primer in a Can Hits Market***—By Patty Leesemann*
- **Weathering and Crosslinking Behavior of UV-Curable Automotive Clearcoats***—By Mark E. Nichols, Christopher M. Seubert and John L. Gerlock*
- **Process Conditions for UV Sealer on SMC Body Panels** *—By Kevin Joesel*
- **3-D UV Technology for OEM Coatings***—By Dr. Thomas Raith, Markus Bischof, Michael Deger and Elisabeth Gemmler*
- **UV-Curable Clearcoats—Scratch Resistant and Weatherfast Alternative to Thermosetting Clearcoats***—By T. Jung and A. Valet*
- **Light Shielding Considerations for 3-D UV-Curing Installations** *—By Kevin Joesel*
- **EB-Cured Composites for Automotive Applications** *—By Morris A. Johnson*
- **Performance Requirements Overview for Automotive Coatings** *—By Paul Snowwhite*
- **Application Issues for Spray-Applied Liquid UV Coatings** *—By David Hagood*
- **Composites—Exploring Emerging Markets for UV/EB** *—By Alexander Ross*
- **Dual Cure—Combination of Superior Properties***—By Dr. Wolfgang Fischer, Dr. Jan Weikard and Dr. Ulrich Meier-Westhues*