Industry News

Southwest United Industries Buys Plating Shop in Canada

Southwest United Industries, Tulsa, OK, has purchased all outstanding shares of CEEL Limited of Brampton, Ontario, Canada.

Larry Raycraft established Canadian Electroplating Enterprises, Limited in 1978 to service the heavy equipment hydraulic industry. In 1981, the company moved to its present location at 85 Stafford Drive in Brampton, Ontario. Neil Raycraft purchased the company from his father in 1994, changing the name to CEEL Limited. Currently, the company provides hard chrome and sulfamate nickel plating services from its 18,000 ft² facility to aerospace, military and general industrial customers. CEEL is Nadcap accredited and approved by Boeing, Goodrich and Messier-Dowty. Neil Raycraft will remain as vice president and general manager of the facility, which will retain its current name.

Southwest's top priority is to install HVOF thermal spray coating and grinding into the CEEL facility, with Ti-Cad plating and additional processes to follow.

Southwest United Industries provides non-destructive testing, shot peening, thermal spray coating, plating, grinding, anodizing and painting services to the aerospace industry. The company is Nadcap accredited and is certified and approved by all the major aerospace manufacturers. Southwest is also an FAA Repair Station utilizing thermal spray coating, plating, grinding and machining to repair aircraft component parts for airlines and third party maintenance facilities.

M.E. Baker Company Purchases MacDermid Equipment, Inc.

M.E. Baker Company, Cambridge, MA, has acquired all outstanding shares of MacDermid Equipment, Inc. (MEI) of Springfield, VT. Baker is a provider of vertical plating equipment. With the acquisition, Baker now offers horizontal plating equipment.

MacDermid Executive Vice President Michael Siegmund said, "Baker's acquisition of MEI allows MacDermid to focus on our core specialty chemical business while

Test Your Plating I.Q. #416 By Dr. James H. Lindsay, AESF Fellow

Design for plating

- 1. What is the critical factor that must be taken into account when plating threaded fasteners?
- 2. What design principle should be used in placing holes in plated parts?
- 3. What special consideration must be considered in plating articles made from tubular stock?
- 4. How are blind holes, crevices or seams dealt with so that no liquids are trapped?
- 5. Sharp edges and their opposite number, internal angles, lead to excess thickness or insufficient thickness, respectively. How can these conditions be avoided for both situations?

Answers on page 34

continuing to provide out customers with a North American based resource for all their equipment needs."

Baker President Steve Roiter added, "a on-stop shop for wet process equipment is what customers have long wanted."

Baker is a manufacturer of we process equipment for the electronics, medical device, automotive, aerospace and consumer products industries.

Surface Technology Announces Enviro-friendly EN Processes

Surface Technology, Inc., Trenton, NJ, has introduced a full line of environmentally designed electroless nickel (EN) systems. The company is offering all varieties of EN free of lead, cadmium or any other heavy metal. Varieties include conventional alloys with low, medium and high percentages of phosphorous, or boron, as well as composites of EN with diamond, PTFE, silicon carbide, boron nitride, nano materials, and other particles.

Revised Edition of Precious Metals Book Published

A revised and extended edition of "Electrodeposition of the Precious Metals: Osmium, Iridium, Rhodium, Rhenium, Ruthenium," by Terry Jones, has been published in the United Kingdom.

The new edition was prompted because of the climbing price of platinum and palladium, which created a growing interest in the less well-known members of the precious metals family as possible substitutes. Currently, this other precious metals are less expensive and are the subject of research in a wide variety of applications.

Jones, after many years of employment with one of the world's leading suppliers of precious metal plating processes, has included every significant patent and publication on the subject. As a chemist, he considers both the solution chemistry and the deposits formed from it, and their properties.

The revised and extended edition features additional chapters on "Stripping of Precious Metal Coatings," Electropolishing of the Precious Metals," and "Electroless Deposition of Platinum."

Precious metals coatings are widely used in electrical and electronic applications, in jewelry and decorative or personal items, such as watches and eye glasses. For more details on the revised edition, or to order, visit www.finishingpublications.com.



41 Members Celebrate Milestones

(January 2006)

45 Years

Fred V. Cannata III, Dallas/Ft. Worth

40 Years

James M. Jones, Southeastern John Marqui, Chicago William C. Smith, Chicago Richard A. Stumpf, CEF, Philadelphia

35 Years Charles A. Remied, Chicago

30 Years John Merkle, CEF, St. Louis John J. Tangney, Boston

25 Years

Michael Ammerman, Garden State Dennis Dumsha, CEF, Charlotte Metrolina Donald K. Schultz, Detroit Kay H. Tam, Toronto Shinichi Wakabayashi, International Roger E. Winterman, Cincinnati/Dayton

20 Years

Douglas Krasucki, Rochester Robert R. McIntyre, Providence/Attleboro

15 Years

Phillip C. Felkel, Charlotte Metrolina Chan K. Khiong, International Steven A. Peterman, Los Angeles Frank D. Shannon, Colorado Jeffrey Zak, CEF, Milwaukee

10 Years

Robert Austhof, CEF, Grand Rapids Allan Cairns, Milwaukee Micheal E. Carnarius, Orange County Metro Charles Killinger, Cleveland Bruce Loycano, Upper Midwest David Marsh, Detroit William M. Onuska, South Florida Riley F. West, Blue Ridge

5 Years

Paul Agathoklis, Baltimore/Washington Michael Deneen, Boston Garth A. Faivre, Erie John Hessler, Milwaukee Rick A. Hunter, CEF-3, Orlando Stella Kotsatos, Cleveland Karla Meyer, Dallas/Ft. Worth Danielle Miousse, CEF-2, Montreal Walter Opdycke, Detroit Steven B. Peto, Grand Rapids Brad Taylor, CEF, St. Louis Dan Zimmerman, Cincinnati/Dayton

10 New Members are Introduced

(January 2006)

Charlotte Metrolina

Kevin Schell, Atotech USA

Chicago

Ray Horton, Deveco Corp

Erie

Julie Twohig, American Tinning and Galvanizing

Grand Rapids

Liqing Wen, Lacks Enterprises, Inc.

Greater Arizona

Daniel Watson, Able Engineering & Component Services

Portland

Rebecca Cooper-Sims, Philip Services Corporation

Silicon Valley

Michael Meyer, Clean Sciences Technology

Susquehanna Valley

Jessica Knittle, L-3 Communications Electron Devices

Worldwide Web

Ky Minh Du, Viet Nhat Co., Ltd. Chew Eng Keat, CCM Chemicals SDN BHD

Answers to I.Q. Quiz #416

- 1. The critical matter to address is the potential fourfold difference in plate thickness on the pitch diameter.
- 2. Holes should be countersunk or counterbored to avoid edge buildup at the hole entry..
- 3. Drainage. Provision must be made for any solution that could be trapped and carried over through the process. This can be in the form of drainage holes in the part or the way the part is oriented on the plating rack.
- 4. They should be completely avoided in the design of the part.
- 5. Designing in radii as large as the application will eliminate much of the problem.