ASTM Wants New Standard For Scratch Test

Interest is being solicited for a new standards activity launched by a subcommittee of ASTM Committee G02 on Wear and Erosion. The new standard will be for measuring the adhesion of coatings and thin films using a single-point scratch method. The activity is being conducted under Subcommittee G02.30 on Abrasive Wear. The work will be coordinated with ASTM Committee C28 on Advanced Ceramics, as well as other standards activities in this area.

According to Nicholas X. Randall, vice president, CSM Instruments, Inc., the new standard will enable users of the scratch adhesion test to make standardized measurements of coating adhesion, and to be able to quote results in a standardized format.

For more information, contact Nicholas Randall (telephone: 782-444-2250; e-mail: nra@csm-instruments.com).

AIMF Will Host Conference On Surface Finishing

The Australasian Institute of Metal Finishing (AIMF) is holding a two-day Conference on Surface Finishing at Carlton Crest Hotel, Melbourne, Australia, on September 9–10, 2004.

A trade exhibition will also be held in conjunction with the conference, with suppliers from all areas of industry participating.

Scheduled topics include:

- Electroplating—new directions, automotive requirements, equipment
- Powder Coating—new developments, equipment
- Pretreatment
- Liquid Coatings
- Specialized Coatings
- Anodizing
- Qualicoat
- Quality & Australian Standards
- Training
- Internet/Web sites/marketing
- Computers and business issues

For more information, contact ICM Pty Ltd. (phone: +61 3 9682 0244; fax: +61 3 9682 0288; e-mail: aimf2004@icms.com.au; Web site; www.icms.com.au/aimf2004).

Test Your Plating I.Q. #395

By Dr. James H. Lindsay, Jr., AESF Fellow

Identification of metal deposits

1. Spot testing: A drop of 50 vol% nitric acid is applied to the surface of the plated part. Which of the following metals and alloys will be attacked?
   Aluminum, brass, bronze, cadmium, chromium, copper, gold, iron, nickel, palladium, platinum, rhodium, silver, tin, zinc

2. Of those attacked, which will impart a color in the acid droplet, and what color will it be?

3. Name four instrumental (spectroscopy/spectrometry) methods used to qualitatively identify a metal.

4. Aluminum and chromium are both attacked by a droplet of warm, concentrated hydrochloric acid. How can you tell them apart?

5. Polarography is an electrochemical means of identifying reducible metals in solution. What measurement is characteristic of a given metal?

Answers on page 66

Symposium on Zirconium Slated for Stockholm

ASTM's 14th International Symposium on Zirconium will be held June 13–17, 2004, at the City Conference Centre, Norra Latin, Stockholm, Sweden. The event is sponsored by ASTM Committee B10 on Reactive and Refractive Metals and Alloys.

The symposium provides a forum for exchanging new information on the fabrication, testing, development and characterization of zirconium-base alloys in the nuclear industry. The event will feature 42 papers in seven sequential sessions. Another 22 papers will be presented as posters.

For more details and registration information, visit the ASTM Web site at www.astm.org/symposia/B10.

Company News

❑ Rohm and Haas Electronic Materials (formerly Shipley) has announced a business agreement with Grandmake Technology, Ltd. (GMT), a Hong Kong-based company. Under the agreement, GMT will become a distributor of Rohm and Haas Electronic Materials Circuit Board Technologies' dry film imaging equipment in China and Hong Kong.

Officials from both companies say the new arrangement will provide better service to customers in China and Hong Kong.

Rohm and Haas is a Philadelphia-based specialty materials company that makes products for the electronics industry and other markets.

❑ Sherwin-Williams Chemical Coating Division, Cleveland, OH, has opened two facilities in China to serve product finishers in the Asia Pacific region.

The company opened a 116,000 ft^2 complex on 10 acres in Shanghai for the

In Memoriam

Leonard Weeg of the AESF Rockford Branch passed away in February. He was active in the Branch for many years, and was named an Honorary Member in 1981.

Weeg worked at National Lock Hardware in Rockford for 29 years. He later founded Enviro, Inc., an environmental consulting firm, from which he retired in 1990.

manufacture of liquid and powder coatings. The plant employs about 60 people for handling operations and sales functions. At a different location in South China, the company has opened a facility capable of modifying liquid coatings for color, gloss and viscosity. That plant has a staff of 40 people to handle sales and distribution of custom blended coatings.

❏ Magnetek, Menomonee Falls, WI, has announced the final stage in the reorganization plan for its Mondel Engineering division. Magnetek acquired Mondel Engineering of Mississauga, Ontario, Canada, in 1999. The company is a manufacturer of industrial drum and disc brakes serving a variety of material handling applications.

Sales of Mondel brakes in the U.S. will now be handled from Magnetek's headquarters in Wisconsin. Mondel Canada will continue to handle all sales in that country, as well as manufacture of the product.

❏ Nova Finishing Systems has acquired the assets of the former R.N. Hutson, Inc., and its disc finishing product line. Nova will build the centrifugal high-energy deburring and polishing equipment at its current location near Philadelphia, PA. The assets were acquired from PMC Connections Co., Dallas, TX and Orange, CA.

Nova Finishing Systems already makes small, heavy duty industrial vibratory bench top equipment with a patented separation system. The addition of the centrifugal disc system, plus a new small cantilever style barrel tumbling machine, provides Nova with three different small bench top mass finishing systems.

❏ DB Metal Finishing, Rockford, IL, recently achieved certification for ANSI/ISO/ASQ Q9001-2000 quality management standard.

Answers to I.Q. Quiz #395

1. Brass, bronze, cadmium, copper, iron, nickel, silver, tin, zinc
2. Brass (green), bronze (yellow), copper (blue), iron (yellow), nickel (green)
3. Atomic absorption spectroscopy, emission spectrometry, mass spectrometry, x-ray fluorescence spectroscopy.
4. The droplet on chromium is green. That on aluminum is colorless.
5. The half-wave potential.

❏ Walchem Corporation and Iwaki Company, Ltd. (Japan), have changed the name of their 13-year-old joint venture manufacturing and sales company in Holliston, MA. Formerly known as Iwaki Walchem Corp., the company will now be called Iwaki America.

The company is majority-owned by Walchem and will continue to market Iwaki brand products.

Iwaki America offers engineered pump products for use in process, OEM, industrial and semiconductor applications.