

SME Launches Large Database For Manufacturing Engineering

The Society of Manufacturing Engineers (SME) has teamed up with a Web services provider to launch what it calls the world's largest full-text database in manufacturing engineering.

SME and ebrary.com have launched "SME Source" an interactive database containing more than 4,000 individual book chapters, journal articles and technical papers. The site includes the nine volume *Tool and Manufacturing Engineers Handbook* series. It also includes SME books, such as *Fundamentals of Tool Design*, *A guide to High-performance Coating*, and *Lean Manufacturing for the Small Shop*. Journals that serve the industry, such as the *Journal of Manufacturing Systems* and *Journal of Manufacturing Processes* are also available.

The site is designed to serve as a resource to professionals in different fields of manufacturing.

SME Source is available to libraries worldwide. Pricing varies depending on a library's type and size. For more information, visit www.ebrary.com/libraries or e-mail sales@ebrary.com.

Iowa Organization Offers Free EMS Assistance

The Iowa Waste Reduction Center (IWRC) has scheduled quarterly training sessions to help businesses facilitate the development of an Environmental Management System (EMS). The training will be conducted at the IWRC, located at the University of Northern Iowa in Cedar Falls. The center was established as part of the U.S. Environmental Protection Agency's (EPA) plan to promote the use of EMS. Instruction will include components of an EMS and implementing each of the modules.

The sessions are being provided at not cost. Pre-registration is required. For information, visit www.iwrc.org/programs/workshops.pdf. Information can also be requested by calling 800-422-3109.

Company News

❑ Shipley Company and Rodel will become Rohm and Haas Electronic

Test Your Plating I.Q. #390

By Dr. James H. Lindsay, AESF Fellow

Decorative Nickel-Chromium Specifications

1. In ASTM B-456 (No fair looking), what does "ZnNi40dCrr" designate?
2. What service condition is the above coating used for? Describe the condition.
3. (A) What do "Ni40p" and "Ni15b" signify?
(B) What do "Crmp" and "Crmc" signify?
4. What coatings over steel are applicable for this service condition?
(A) FeNi40dCrr
(B) FeNi25dCrmp
(C) FeNi30dCrmp
(D) FeNi30dCrmc
(E) FeNi30pCrmp
5. Describe the other three service conditions.

Answers are on page 36

Materials in February. Together, Rodel and Shipley comprise the electronic materials business of Rohm and Haas Company.

Pierre R. Brondeau, who heads the business group, said customers will continue to receive the same technology and service. He said that adopting the single Rohm and Haas name is expected to "accelerate future growth."

❑ Asahi Glass Fluoropolymers USA, Inc., and AGA Chemicals, Inc. are joining forces to form AGC Chemicals Americas, Inc. The new company will be responsible for all of Asahi Glass chemical products manufactured and sold in the Americas. Products include fluoropolymers, fluorinated solvents, oil/water repellents, fluorinated paint additives, and other chemical products. The new company will be headquartered at the existing manufacturing facility in Bayonne, NJ. Asahi Glass Fluoropolymers USA, Inc., and AGA Chemicals, Inc., are wholly-owned subsidiaries of Asahi Glass Company, Tokyo, Japan.

❑ The private equity group consisting of The Blackstone Group, Apollo Management, L.P., and Goldman Sachs Capital partners has completed its acquisition of Ondeo Nalco Company from Suez, S.A. The company has been renamed Nalco Company and will operate as a privately held, independent business.

Nalco provides integrated water treatment and process improvement services, chemicals and equipment programs for industrial and institutional applications.

❑ Spirax Sarco, Inc., and Alfa Laval have extended their global alliance to the U.S. to provide customers an expanded range of products in steam and heat exchange technology. Spirax Sarco is located in Blythewood, SC.

❑ ACM Company, Forest Hill, MD, has appointed Enequist Chemical Company, Inc., Brooklyn, NY, to market and sell ACM's line of resin regeneration and wastewater treatment services to metal finishing customers.

ACM Company operates a fully permitted ion exchange resin regeneration plant near Baltimore, MD. The facility can receive resins used in metal finishing, EDM and other wastewater treatment operations. ACM is a subsidiary of ResinTech, Inc., a manufacturer of ion exchange resins and specialty media.

❑ Material Sciences Corporation, Electronic Materials and Devices Group, Inc., Elk Grove Village, IL, has signed a supply and joint development agreement with Lear Corporation for advancement and commercialization of a patented detector cell technology for select automotive applications. The product utilizes patented electric field sensing technology that can create low profile, low voltage touch style switches. The technology is flexible in its ability to be used as a position-sensing or liquid level sensing device. All Applications are of interest to Lear.

The technology will be used for designing fresh innovative looks in the cockpit area, a company spokesman said. *R&SF*

Answers to I.Q. Quiz #390

1. "Zn" is the basis metal (zinc die-cast).
"Ni" designates the nickel layer; "40" is the minimum thickness in micrometers; "d" designates duplex nickel.
"Cr" designates the chromium layer; "r" is regular, or conventional chromium.
2. SC4: Very severe. Likely damage from denting, scratching and abrasive wear in addition to exposure to corrosive environments.
3. (A) 40 micrometers of semi-bright nickel and 15 micrometers of fully bright nickel, respectively.
(B) Microporous chromium and microcracked chromium, respectively.
4. (A) FeNi40dCrr
(C) FeNi30dCrmp
(D) FeNi30dCrmc
5. SC3: Severe. Includes frequent wetting by rain or dew or possible stronger cleaners or saline solutions.
SC2: Moderate. Indoors where condensation may occur.
SC1: Mild. Indoors in normally dry atmospheres, with coating subject to little wear or abrasion.