



## Resources of Interest on the Web, CD-ROM, and Other Digital Media



### Basic Corrosion Course on CD-ROM

The best selling Basic Corrosion Course offered by NACE International – The Corrosion Society is now available in a self-study CD-ROM format. Developed in cooperation with Katholieke University in Leuven, Belgium, the **NACE Basic Corrosion Course on CD-ROM** contains all of the technical information presented in the classroom course.

This self-study course was designed for professionals who need to understand the language of corrosion control and be able to recognize corrosion and its related problems. Within an eight-chapter framework, the fully searchable CD-ROM presents information on electrochemistry; environments; engineering materials; forms of corrosion; recognition and mechanisms; methods of corrosion control; and corrosion monitoring techniques. The interactive program also features video footage of corrosion and cathodic protection experiments.

License fees for the CD-ROM are \$950 (\$850 for NACE members). This fee includes payment for a proctored exam taken in person from an approved NACE proctor (proctors are available throughout North and South America, Europe, the Middle East, Africa, and Asia). Those who pass the proctored final exam may opt to apply for NACE Corrosion Technician certification if they meet work experience requirements.

For more information: NACE Membership Services; P.O. Box 218340, Houston, TX 77218-8340; tel: 281/228-6223; fax: 281/228-6329; e-mail: [msd@mail.nace.org](mailto:msd@mail.nace.org); web: [www.nace.org](http://www.nace.org).



### Corrosion Library to be Available on Web

CorrosionSource has signed an agreement to provide web access to the extensive technical corrosion library of publisher Marcel Dekker, Inc. The print version of the **Dekker corrosion library** consists of over 4,000 pages of text and data, including *The Corrosion Engineering Handbook*, the *Encyclopedia of Corrosion Technology*, and the three-volume *Corrosion Resistance Tables*.

CorrosionSource.com provides Internet-based corrosion information, products, and services. It currently has more than 30,000 pages of online technical data, reports, and technical advice available with full access to corrosion products and services through online directories.

The Dekker corrosion library, edited by noted corrosion expert Philip A. Schweitzer, includes specific technical data on materials and environments necessary for corrosion specialists as well as tutorial information for those wishing to know basic information about corrosion and performance of materials.

The initial portion of the data – the corrosion resistance tables – will be available online early in 2001. The rest of the material will be transferred to the web during the following months until it is all online. It will be continuously updated as needed.

“We see this as the most effective way to provide instant access to our bank of vital information used by both corrosion specialists and non-specialists alike from around the world,” said Russell Dekker, chief publishing officer for Marcel Dekker. “CorrosionSource offers an excellent way to open the use of our corrosion library to the Internet and help individuals quickly find and use this information.”

For more information: CorrosionSource, tel: 281/444-0500; e-mail: [info@corrosionsource.com](mailto:info@corrosionsource.com); web: [www.CorrosionSource.com](http://www.CorrosionSource.com).



### Bolted Joint Fatigue and Stress Analysis Software

A comprehensive bolted joint analysis software package has been introduced by Sensor Products.

**BoltFAST** aids the engineer in determining the fatigue endurance limit of a thread, the amount of embedding anticipated in the joint, and the optimal tightening torque for given friction conditions.

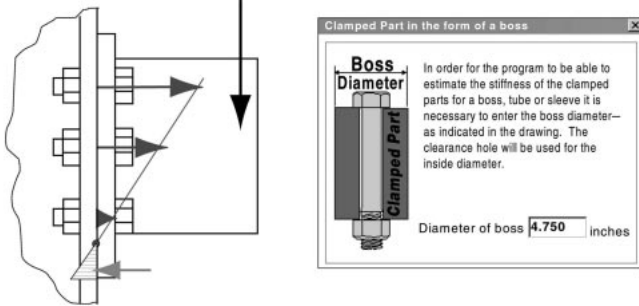
This Windows-based software allows an engineer to evaluate “what if” scenarios on a bolted joint that would otherwise only be determined after extensive analysis and testing. The Joint Analysis Program determines whether or not a bolted joint is capable of sustaining the forces acting upon it. The Thread Analysis Program calculates



## Digital Resources

### Analysis Software (continued)

#### Example of Complex Forces on a Bolted Interface



A new software package from Sensor Products Inc. offers insight into bolt loosening problems and helps determine what specific design changes are needed to resolve those problems.

the forces necessary to strip the internal and external threads as well as fracture a fastener. The Torque Analysis Program provides a means of determining the correct tightening torque and the resulting clamp force for a threaded fastener. This component takes into consideration the different friction values between the thread and nut face together with the effect of tensile and torsional stresses.

For more information: William Ebner, Sensor Products Inc., 188 Rte. 10 West, Suite 307, E. Hanover, NJ 07936-2108; tel: 973/560-9092; fax: 973/884-1699; e-mail: bebner@sensorprod.com; web: www.sensorprod.com.

## ASM Failure Analysis Library on CD-ROM

1999 • Equivalent to approx. 10,000 book pages • ASM Publication

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Windows 95 or higher required with 486 PC and 8 MB RAM.