

THIS MONTH: CORROSION IN THE POWER INDUSTRY

MP MATERIALS PERFORMANCE

SEPTEMBER 2008

CORROSION PREVENTION AND CONTROL WORLDWIDE

Selecting Tubing Materials for Power Generation Heat Exchangers

Geographic Power Engineering for Electric Companies

Failure of a Turbine Main Oil Pump-Driven Gear

Rehabilitation Planning for a Gas Transmission Line

Special Features

How to Get Published in 2009 MP

First Annual Company Showcase



**NACE**
INTERNATIONAL

Product Showcase



NANOTECHNOLOGY-BASED COATING

Industrial Nanotech, Inc. (Naples, Florida) announces the release of EPX-K, the second addition to its patented, water-based Nansulate EPX line. This newest addition to the product line offers an increase in thermal resistance with the same corrosion protection and chemical resistance. The EPX-4 product is the one to use if fire resistance is a desired attribute, and EPX-K is the product of choice for easier application by brush instead of specialized spray equipment or trowel. The product line offers users a fast cure time; chemical resistance to both base and acid chemicals, including 95% concentration sulfuric acid (H₂SO₄); and long-term protection against metal corrosion in marine and deep sea environments. Phone: 1 800-767-3998, Web site: www.industrial-nanotech.com.

Sealing gaskets

Pipeline Seal and Insulator, Inc. (Houston, Texas) offers three sealing/isolating gaskets: LineBacker® sealing gaskets with an inclined groove and rectangular sealing element, the LineSeal™ sealing gasket with spring-energized sealing elements and a stainless steel core, and the GasketSeal® sealing gasket that consists of two molded semi "O" rings with a precise crown-to-void ratio. These three gaskets are stand-alone or provided in kits with sleeves and washers for complete isolation. All



PSI sealing gasket products are manufactured to ISO 9001:2000 standards. Phone: 1 800-423-2410, Web site: www.pipeline-seal.com.

Convertible water blaster

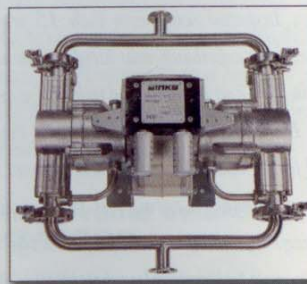
NLB Corp. (Wixom, Michigan) announces the release of its NLB 325 Series convertible, high-pressure water jetting system. Each series model is available with a quintuplex pump and a swing-out manifold that offers a quick change, in-line fluid end design, and fewer parts for increased operating efficiency and simpler maintenance. Only a simple conversion kit is required to operate at pressures between 8,000 and 24,000 psi (55 and 165 MPa). The unit features include a slow-running plunger pump, built from



high-grade stainless steel, that provides unprecedented reliability, and a water pressure actuated throttle control that monitors operator demand and adjusts output. Phone: +1 248-624-5555, Web site: www.nlbcorp.com.

Pumps for finishing applications

Binks (Glendale Heights, Illinois) offers its new stainless steel (SS) EXEL™ pump, designed for high-flow circulation systems requiring moderate pressure with maximum durability and dependability. The pump works with water-borne and solvent-borne fluids, catalyzed coatings, high-solids coatings, abrasive materials, and moisture-sensitive materials. Available in hard chromium-plated SS or ceramic-coated pistons, the pumps provide users with durability and corrosion resistance. Due to their design and



rugged construction, the pumps can run for long periods with little maintenance or downtime. Phone: 1 800-992-4657, Web site: www.binks.com.