



this month's topic **Engineering Services**

Development Center Helps Identify Optimal Mixing Equipment



The Ross Test and Development Center offers demonstration and testing services to help customers identify the best possible equipment for their particular application. It now has additional mixing and blending equipment, including a 1-ft³ ribbon/paddle blender and a 2-gal planetary dual disperser. The facility houses over 30 pieces of mixing, blending, and dispersion equipment in various sizes. Auxiliary devices such as heaters, chillers, spray bars, vacuum pumps, and condensers are also available. Data for scaleup of nonhazardous applications can be generated, and mixing problems can be solved at the testing facility. This service allows customers to determine the most appropriate mixing strategy prior to purchasing equipment.

Charles Ross & Son Co.

www.mixers.com

Chemical Testing Service Assists with REACH Compliance

This company offers physico-chemical testing for U.S. companies that want to market their product in the European Union (EU). The EU Registration, Evaluation, and Authorization of Chemicals (REACH) regulation

requires all substances of very high concern (SVHC) to be registered with the European Chemicals Agency prior to their transportation. This service identifies the physico-chemical properties of SVHC and provides the necessary safety data sheets (SDSs) required by the REACH regulation.

Chilworth Technology, Inc.

www.chilworth.com

Pump Trade-In Program Offers Startup Assistance



Customers can now trade in any model of vacuum pump for a new GXS dry screw vacuum pump, or pump and booster combination, at a significantly reduced cost. The “trade in, trade up, pump smart” campaign offers one day of start-up assistance from an experienced field engineer. This service ensures that new pumps are correctly installed and configured to deliver optimum performance. All GXS vacuum pumps feature advanced temperature control and the latest screw technology.

Edwards Vacuum

www.edwardsvacuum.com

Risk-Management Service Helps to Reduce *Legionella* Infections

The Centers for Disease Control and Prevention (CDC) estimates that 8,000 to 18,000 people are hospitalized with Legionnaires' disease in the

U.S. each year. An outbreak poses a serious health issue for those within the immediate surroundings. This firm develops comprehensive *Legionella* risk-management plans to mitigate such outbreaks. A multidisciplinary team of experts identifies risk factors and hazards, specifies testing and maintenance procedures, and facilitates a communication program for plant owners and operators. In the event of an outbreak of Legionnaires' disease, this service also provides thorough reviews of plant, ventilation, and plumbing systems to determine the source of the bacteria.

**Environmental Health and
Engineering, Inc.**

www.eheinc.com

Inspection Solution Offers Financial Impact Analysis

Plant managers can determine the financial impact of leakages in tubular air heaters using this inspection and field repair service. In addition to the hot (online) and cold (visual) inspections, the AcousticEye Dolphin G3 noninvasive system is now being used to test tube integrity. Using acoustic technology, the AcousticEye system identifies leakage locations and verifies the integrity of completed repairs. It also shows tube degradation areas such as holes, partial and full blockages, and thinning walls. The service profiles temperature dynamics and combustion gas distribution while the air heater is in operation, which allows for the prediction of future failure points. A financial impact analysis is generated, which provides a picture of losses associated with air heater leakages. Using proprietary techniques, this company is able to provide onsite repair without the removal of surrounding pollution-control equipment.

Corrosion Monitoring Services

www.cmsinc.us