VpCI Emitters for Corrosion Protection of Electricals

One of the foremost solutions for new facility owners seeking simple, cost-effective corrosion protection, VpCI Emitters are small devices that contain vapor phase corrosion inhibitors (VpCI). Manufactured by Cortec Corp. (St. Paul, Minnesota, USA), these devices, much like a diffuser or air freshener, release vapors that fill the enclosed space. These corrosion-inhibiting vapors are attracted to exposed metal surfaces, where they adsorb to form a protective molecular layer that discourages corrosion reaction in the presence of oxygen and moisture. For instance, if the door of an electrical cabinet is briefly opened, the VpCI layer will replenish itself once the cabinet is closed again. VpCI Emitters typically offer enough corrosion protection for at least two years in a fully enclosed space. Cortec recommends installing and replacing VpCI Emitters inside electrical compartments once every two years. Starting this practice at the beginning of a plant's life forms a protective habit that minimizes the hassle of corrosion damage and failure on electronics and electricals over the years. Application is as simple as calculating the size of the compartment and placing the proper size of VpCI Emitter inside; for example, VpCI-105 Emitter protects 5 ft^3 (0.14 m^3) of space, while VpCI-111 Emitter protects 11 ft^3 (0.31 m^3) of space. The sticker on the convenient self-adhesive Emitter cup backing can be placed next to the Emitter to serve as a reminder label of when it was installed and when it needs to be replaced. Tel: 1 800-426-7832, web site: www.cortecvci.com.

LPBF Systems Reduces Additive Manufacturing Build Times

Renishaw (West Dundee, Illinois, USA) expanded its RenAM 500 series with the launch of the RenAM Ultra AM system, cutting build times by up to 50% without compromising on quality as well as giving metal additive manufacturing (AM) users the tools to produce parts faster. As the latest range in Renishaw's RenAM 500 series of laser powder bed fusion (LPBF) systems, the RenAM 500 Ultra system includes all the existing benefits of previous iterations, including industry-leading optical, chamber, and gas-flow design. It also adds new, productivity-boosting TEMPUS technology and advanced process monitoring software. TEMPUS technology incorporates new scanning algorithms that allow the laser to fire while the recoater is moving, saving up to nine seconds per build layer. The RenAM 500 Ultra's advanced process monitoring software also delivers detailed insights into the build, equipping users with data and providing in-process visibility. This system is the latest model in the RenAM 500 family, which also includes the Flex system, optimized for R&D work, and the flagship closed-loop powder recirculation model for series production. The entire RenAM 500 family is available with one (500S) or four (500Q) high-powered lasers, each able to access the whole powder bed simultaneously. The new system was recently launched at Formnext 2023 in Germany and will be featured at SHOT Show 2024 in Las Vegas, Nevada, USA. Tel: +1 847-286-9953, web site: www.renishaw.com.

PVF Solutions and Coating Launched at Build Materials Exhibition

DuPont (Wilmington, Delaware, USA) announced that Coryor Surface Treatment Company Ltd. and Nippon Paint Taiwan have introduced a series of new offerings including printed Tedlar polyvinyl fluoride (PVF) solutions and PVF coating in Taipei Building Show, the largest building materials exhibition in Taiwan. DuPont worked closely with Coryor to launch the printed PVF product, the AAMALON applications series, which is focused