

Cortec's innovative flexible packaging solutions

Protecting assets and profits from corrosion!

Cortec® Corporation (www.cortecvci.com) produces a suite of innovative packaging materials that are silent but powerful tools to protect metal goods from corrosion. Sold under the VpCI® brand, these innovative flexible packaging solutions use Vapor phase Corrosion Inhibiting (VpCI) technology to safeguard metal components during the vulnerable period of shipment, when extreme humidity changes can put metals at risk for corrosion.

Consumers often do not realize that products they depend on every day contain metal parts in need of corrosion protection before (and sometimes after) hitting the market. For example, automobiles are made of

numerous metal components that may be manufactured in one part of the world and assembled in another. During the export trip, these parts need corrosion protection from extreme environmental conditions and humidity swings. Electronics, musical instrument strings, or expensive high tech medical diagnostic equipment such as MRIs or ultrasounds are other devices that could benefit from corrosion protection.

Cortec's VpCI® packaging suite avoids the downsides of many traditional corrosion protection methods through Vapor phase Corrosion Inhibitor technology. VpCI® molecules incorporated into a packaging material work by evaporating into the air and forming a protective molecu-



lar layer on all metal surfaces inside an enclosed package. When the component reaches its destination, it can simply be unwrapped and used immediately without additional cleaning or degreasing. This is unlike many traditional methods, such as those in the auto industry, where parts are often dipped in petroleum-based rust preventatives that

require cleaning and proper disposal before use of the part. In contrast to these commonly hazardous materials, VpCI® packaging typically is fully recyclable, fully repulpable (for most VpCI® papers), and non-toxic to use.

In thinking about these advantages, Jay Zhang, Cortec® Technical Sales Manager, commented, "The best example of success is what Cortec® did for automotive companies that assemble vehicles in [the] US." Indeed, Cortec® VpCI® packaging has added significant value to the manufacturing process by allowing auto component makers to successfully implement build-ahead programs and ship auto parts all over the world with safe and easy to use asset preservation packaging.

Cortec's innovative VpCI® packaging suite offers the flexibility of many shapes, sizes, and formats to suit specific needs. For those

