

Xerafy Redefines Rugged RFID Tags

New Gen2-compliant Roswell tag features antenna-free design and eliminates risk of failure

HONG KONG, CHINA, February 20, 2014 /EINPresswire.com/ -- [Xerafy](#) has made a significant breakthrough in the [read-on-metal UHF RFID tag](#) category with the release of its Roswell tag, which is the result of a patent pending design engineering innovation that improves tag ruggedness, temperature resistance and reliability. Roswell's stainless steel exterior serves as the tag's antenna, and because the unique design eliminates the need for a spacer between the tag and the mounting surface, there is absolutely no transmission loss associated with the way the tag is attached.

The innovation also enables Roswell to attain 5-meter read performance over a 180 degree orientation in extremely challenging, metal-intensive RF environments. The antenna-free design ensures reliability and durability by eliminating the risk of tag failure from high impact and vibration. Roswell tags can be welded or soldered directly to metal objects, or attached by bolts, tie loops or adhesive. The tags have a 1.1 inch (28mm) diameter can be laser engraved with human readable text or a 2D bar code.

Xerafy Roswell tags comply with the EPCglobal Gen2 and ISO 18000-6C standards, are ATEX certified for use in potentially explosive environments and can withstand sandblasting. Roswell tags are IP69K rated, which designates they are sealed against dust and can withstand high-pressure, high-temperature wash-downs.

Roswell's design features enable users to gain RFID visibility into many challenging processes. For example, Roswell tags can be applied to surgical trays and instruments that are sterilized in high-temperature, high-pressure autoclaves. The tags can also be used to track automotive chassis through paint shop operations and other industrial materials through heat- and chemical-treatment processes. Roswell tags are also advantageous for food processing facilities that undergo frequent high-pressure wash-downs, and for multiple applications in the oil and gas industry, including wellhead management, pipeline monitoring and asset tracking.

"Xerafy built a reputation for engineering tags that meet the needs of extreme environments," said Xerafy founder and CEO Dennis Khoo. "Roswell is our most extreme environment tag yet. Our customers and partners have already come to us with many ideas about what they can do with the Roswell tag, and we are excited to see how its superior ruggedness and temperature resistance will lead to RFID being used in new areas."

About Xerafy

Xerafy's innovations have changed the price-performance ratio for RFID tags and made it possible for customers to track assets in a wide range of harsh environments. Xerafy provides read-on-metal tags that can be embedded directly into assets to meet a full range of needs for RFID asset tracking in the aerospace, industrial, data center, healthcare, energy and other industries. Xerafy is headquartered in Hong Kong and maintains U.S. sales and support offices in Dallas and Minneapolis, and additional offices in the U.K. and China.

Learn more about Xerafy by visiting <http://www.xerafy.com>.

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