

ELECTRICAL CONNECTIONS IN HARSH ENVIRONMENT CASE STUDIES

Case Study #1: Replacing Malleable Iron Connectors With A Product That Won't Corrode In Washdowns

THE CHALLENGE

The Michigan-based US headquarters for a global manufacturer of high quality carton and plastic-based packaging systems was using malleable iron cord connectors on their high-speed filling & packaging systems for juice manufacturers. This company's customers used acidic products to clean the machines that filled cartons with juice, and the iron connectors on these machines were corroding due to the chemicals in the cleaning agents. The goal for this manufacturer was to find another type of connector that would be as rugged as possible and not corrode or deteriorate in washdowns. With this change in components they also wanted to provide their customers with a better quality product and package in terms of hygiene and safety.

THE SOLUTION:

In discussions with their local electrical distributor, this manufacturer was introduced to the line of stainless steel cord & cable connectors from Remke Industries of Wheeling, IL. Unaware that these type of connectors were available in the U.S. in stainless steel, the manufacturer informed Remke that the design of their equipment would require more than one type of cable to feed through the connector at any given time. Remke demonstrated their line of multiple hole bushings (that were available as a standard item) in a variety of sizes – all of which could be used with their Tuff-Seal™ stainless steel cord connectors. The manufacturer was also informed that these were all standard items at Remke that were in-stock.

THE RESULTS:

The manufacturer stated that Remke's stainless steel cord connectors "solved our problem." They were very pleased to be able to get a what they considered a more specialized product like stainless steel connectors at a standard turnaround time and competitive prices. This manufacturer became a Remke customer and has been for several years now. They have also purchased Dome-Cap non-metallic strain relief connectors from Remke for use where cable is not exposed to corrosives, such as with control panels in remote locations. This manufacturer keeps stock both at Remke and their local electrical distributor.

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