

Wire Rope Isolation Provides Shock and Vibration Protection in Fragile Fruit Harvest Application | Enidine Energy Absorption Application

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Product Overview

A Japanese manufacturer of agricultural produce carts was looking for a way to lessen the damage incurred on easily bruised fruits such as peaches. They needed to reduce the shock and vibration caused by transporting the harvested fruit along rough roads and mountain slopes. The customer visited our website and contacted ITT Enidine Inc. for a solution.

Product Solution

ITT Enidine Inc. recommended mounting 4 WR8-400-10-S Wire Rope Isolators (WRI) to the base of each cart. The superior damping characteristics of the WRI decreased the shock and vibration of the fruit filled cart during transportation. With their corrosion resistant, all-metal construction, ITT Enidine Inc.'s Wire Rope Isolators provide the high performance and environmental stability needed to endure the varying weather conditions often associated with this type of application.

Application Opportunity

Testing results on the prototype cart showed a 40-70% reduction in peak G-force (shock transmitted to the products). The customer was very satisfied with this shock reduction and the overall reduction in all damaged produce. The company plans to install ITT Enidine Inc.'s WRI on all of these carts and other carts used in similar harvesting applications. The unexpected success of the WRI in such a unique application has proven that ITT Enidine Inc. products should always be considered as possible solutions.

