

## Vibrating Gravity Feed Piping

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### **Application:**

Mechanical shaker at a pulp and paper mill carrying a mixture of ground cardboard and water.

### **Problem:**

A Holz Rubber Partner Distributor had a customer concerned about excessive vibration in their pulp piping system. The vibration was causing premature wear on adjacent components and had become a weak point in their process.

### **Solution:**

A Holz Expansion Joint Specialist developed a complete solution after reviewing the application, media, and environmental factors. They determined that a 945 -W style expansion joint would absorb the vibration of the shaker to decrease the forces exerted on the system and prevent material build up. The 945-W style is designed to handle extreme movement and can alleviate the damaging vibration along the piping run. In order to install the expansion joint, removal of a section of pipe would be required and new flanges would be welded into place. Holz engineered and supplied a complete flue duct retrofit, consisting of the weld on flanges, expansion joint, retaining rings, and other hardware, making it possible for the plant to single source the entire project saving time and money.

