

**The Problem:**

A tire plant in Canada was experiencing difficulty in completely unloading carbon black from bottom dump railcars. Material carry back remained in the railcars after unloading. Carry back reduces railcar capacity. The result of carry back is higher raw materials cost.

**The Solution:**

NAVCO® was contacted about the problem. The problem was identified as flow restriction due to material characteristics and low head loads. NAVCO® offered a Railside Car Shaker trial to prove the application with an option to purchase. The trial was very successful. With just a few seconds of operation at the end of the unloading cycle, the powerful Railside Car Shaker completely emptied the railcar.

The Railside Car Shaker has proven effective in promoting the flow of carbon black from the railcars. Unloading time and the amount of "carry back" have been drastically reduced. The tire manufacturer has realized a ROI after only one year of use.

**Call NAVCO to request a CD video of the Railside Car Shaker in action.**

The Railside Shaker is also available in an electric model.



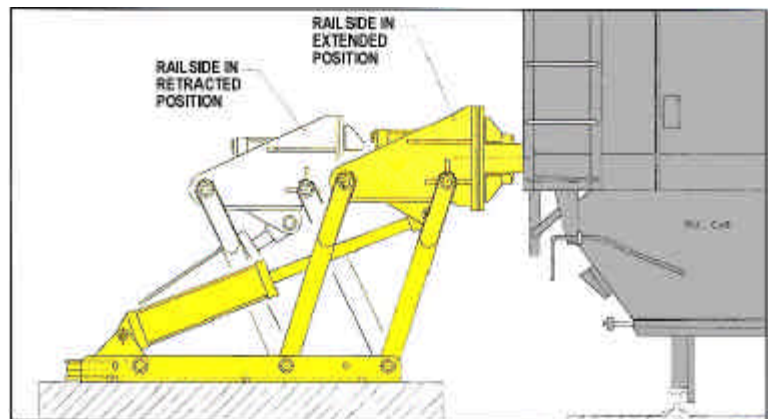
# The Railside Car Shaker

Reduce Carry Back and Unload Time for Realized ROI

The unique, heavy duty, NAVCO® Railside Car Shaker for loading or unloading



The Railside Shaker can be installed on a stand as shown above, or on the loading dock at ground level as shown in the diagram below, depending on the requirements.

**How it works**

- ✘ The Railside Car Shaker reduces Labor and Safety costs.
- ✘ An ROI equation can be used to determine cost savings based on your material type.
- ✘ The Railside Car Shaker is available in two models: Pneumatic or Electric.
- ✘ Request Brochure 2000.300 for more information.



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