



Easy Arm Helps to Decrease Operator Injuries, Increase Productivity, and Improve Morale

Industry:
Railcar Bearing Manufacturer

Product:
Bearings

The Problem:
Manually transporting 45 lb. bearings to and from bins

The Solution:
A Gorbelt Easy Arm® with a custom Cynergy Magnet tool



Work Cell No Longer a Source of Operator Recordable Injuries

Operators at a rail car bearing manufacturer are required to transport 45# bearing cups to and from Gaylord bins. This process was being done manually with up to a thousand units per day and was a source of operator fatigue, injury and overall risk.



After researching several ergonomic lift solutions, the company invested in a Gorbelt Easy Arm® with a [Cynergy](#) custom magnet tooling design. The key feature in the system is the in-line force sensing handle. Attach/release controls are located at both ends of the handle allowing operators to activate the tooling while in a proper ergonomic position, especially when lifting from or placing cups in the lower levels of the Gaylord. Tooling features include pneumatic operation of the rare earth magnet, load cell release

safety interlock, magnet on/off indicator and overhead lighting attached to the secondary arm of the Easy Arm®.

As a result of adding the Easy Arm® to this operation, productivity has increased, operator morale has improved, and most importantly, the operation has ceased being a source of operator recordable injuries. After realizing the benefits, the company has incorporated G-Force® technology in several other areas in the plant handling bearing components in various configurations and processes.