

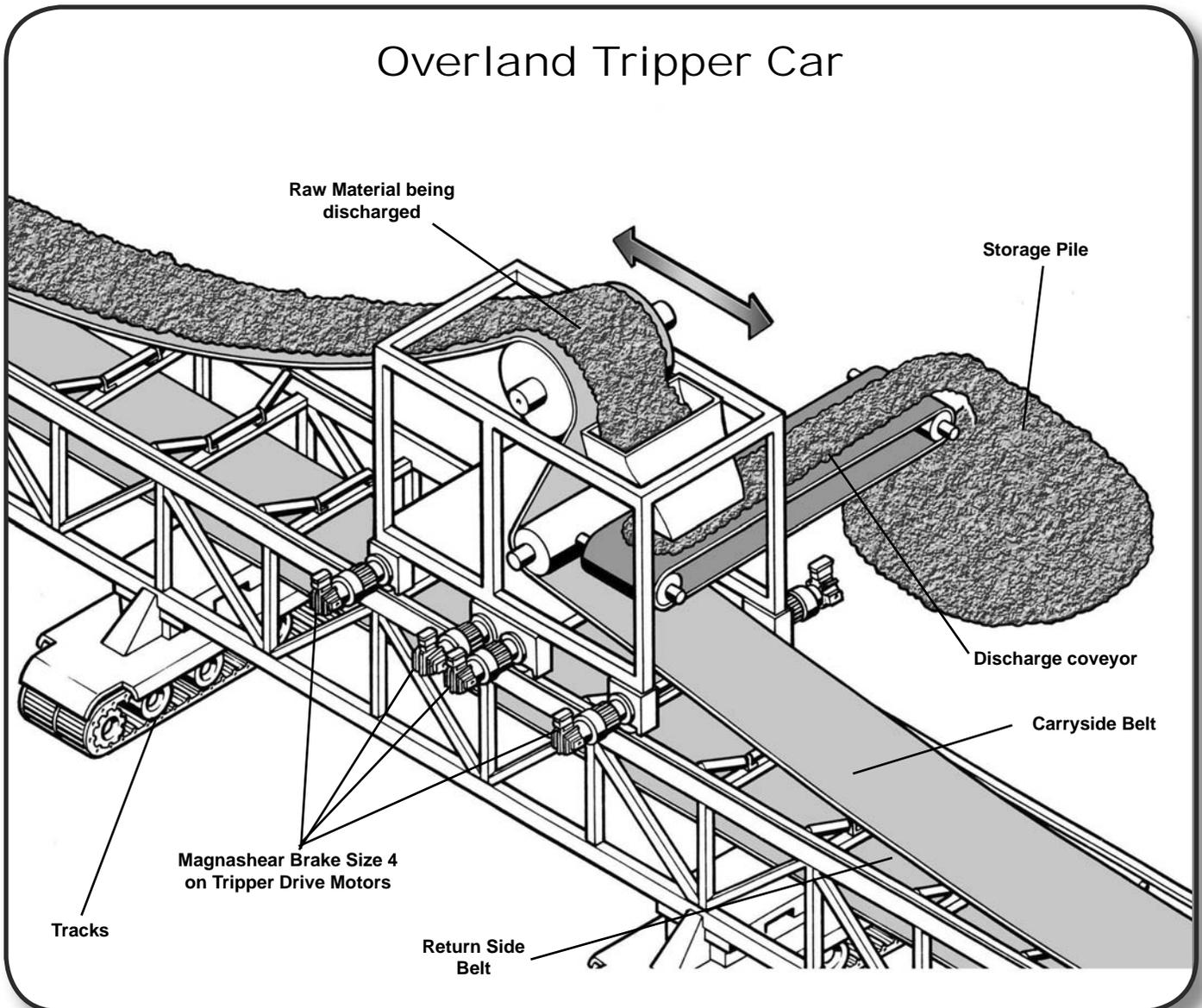
# APPLICATION BULLETIN



**APPLICATION:** Overland Tripper Car

**INDUSTRY:** Mining, Aggregate, Cement

**PRODUCT:** Magnashear Electric Brake



# OVERLAND TRIPPER CAR

**WHERE THEY ARE USED:** An overland tripper car is used in the mining industry to provide mobile stacking in storage piles or leach fields. Overland tripper cars allows mined material to be uniformly spread to variable heights to aid in the storage and leaching processes.

**HOW THEY WORK:** A tripper car is a mobile belt conveyor that rides on rails. The cars moves back and forth to allow mined material to be discharged uniformly into storage piles or leach fields. The overland tripper is mounted on tracks allowing free movement in all directions through the leach field or storage facility. Tripper cars can be either remotely controlled or can be operated by an operator that travels with the tripper car as it distributes its material. A tripper car can be used on belt conveyors that are a few feet in length to belt conveyors that are measured in miles. Tripper cars have the ability to discharge material from end to end and also from side to side depending on the application.

**PROBLEMS SOLVED:** Multiple electric motors with a motor brake are used to move the tripper car. If the brakes fail, the tripper car will not stop or move when in a parked position - causing a potential hazardous situation. Dust and dirt inherent to mining operations makes the problem even worse by settling into the brakes causing increased wear and plugging cooling vents. The Magnashear Brake will dissipate the heat faster than conventional brakes – keeping the motor and brake running cooler and longer. Being completely enclosed, the brake performance is not affected by the mined material. The Magnashear Brake will eliminate the need for frequent maintenance to replace coils, friction materials and even motors. It shouldn't be "standard" procedure to adjust or repair your brakes every couple months - they should last for YEARS!!

## **IMPORTANT FEATURES:**

- Oil Shear Technology is completely sealed from the environment and therefore not effected by dust, dirt and mined material inherent to mining operations - Providing longer and more reliable life.
- Smooth "cushioned" stops minimize wear and tear on motor, gearbox and other mechanical components.



Upgrade your brakes today to reduce downtime and improve performance.



## **FORCE CONTROL INDUSTRIES, INC.**

3660 Dixie Highway Fairfield, Ohio 45014

Phone: 513-868-0900 Fax: 513-868-2105

E-Mail: [info@forcecontrol.com](mailto:info@forcecontrol.com) Web: [www.forcecontrol.com](http://www.forcecontrol.com)