

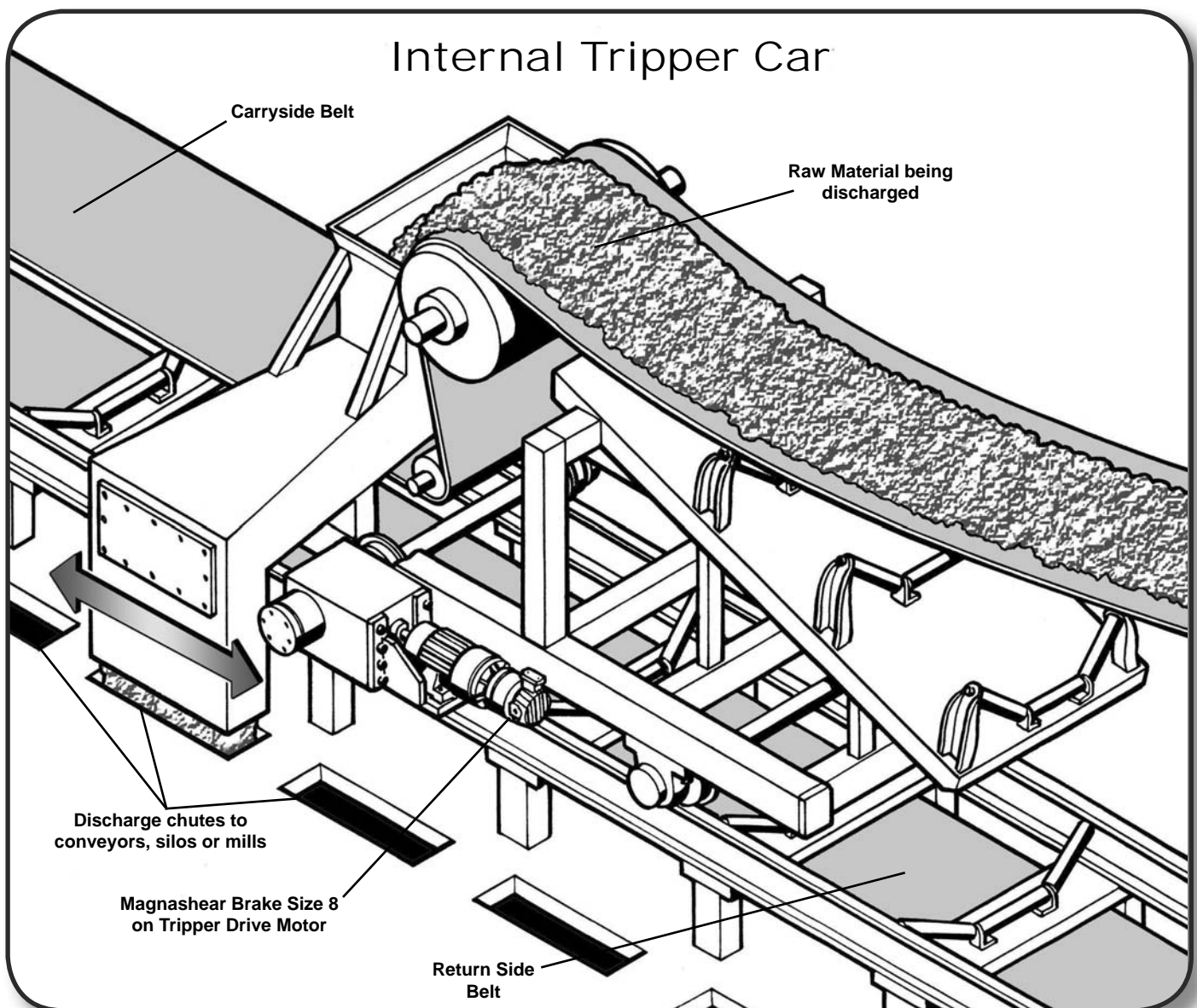
APPLICATION BULLETIN



APPLICATION: Internal Tripper Car

INDUSTRY: Mining, Aggregate, Cement

PRODUCT: Magnashear Electric Brake



INTERNAL TRIPPER CAR

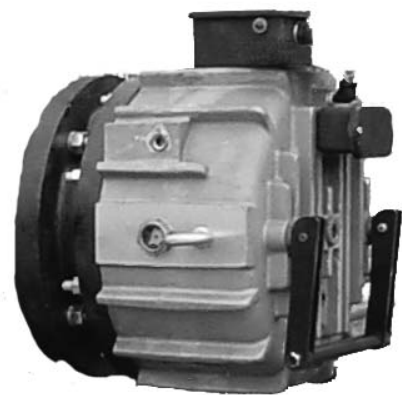
WHERE THEY ARE USED: A tripper car is used in the mining industry to provide a transfer point for raw material. Internal tripper cars feed multiple mills for the processing of the ore, multiple silos for storage, or multiple transfer conveyors.

HOW THEY WORK: A tripper car is a mobile belt conveyor that rides on rails. The car moves back and forth to allow mined material to be discharged into different chutes - feeding multiple conveyor belts, multiple mills, or multiple stock piles. 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 in a forward and reversing manner. 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: An electric motor with a motor brake is used to move the tripper car from chute to chute. The brakes stop the car directly over the discharge chute and hold the car in position. If brakes wear and don't stop in the right position, mined material will miss the discharge chute and build-up around the tripper car. If brakes fail, tripper car will not stop or move when parked - cause 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.



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