

Trolley Vision[®] RF Trolley tag Tracking

Patent # 7,159,772 B2

“The First Step in Total Plant Traceability”

ASTD[®] has developed the best Radio Frequency tracking system called Trolley Vision[®] RF (Radio Frequency). The major obstacle in the use of RF Tracking was attaching the tag to the trolley and keeping it there. The ASTD[®] Trolley Vision[®] RF System is the result of research and development into new methods of transponder attachment and also improving the readability and therefore the read rate of the transponder.

Each system consists of an injection molded insert and transponder configured to your trolley wheel, an industrial antenna easily mounted on your rail, and an industrial reader. As each trolley passes by the antenna, the RF transponder attached to the trolley wheel, is read. The Trolley Vision[®] RF reader then records the RF number



and enables you to send that number via computer communication to your data network where additional information can be attached and recorded. Our extensive experience in plants with thousands of reads, provides you with high read rates providing there is minimal chip failures and minimal impact deterioration to the insert.

Trolley Vision[®] RF is currently operating in daily production.

CONFIGURABLE-DESIGN

You Want It, We'll Make It.



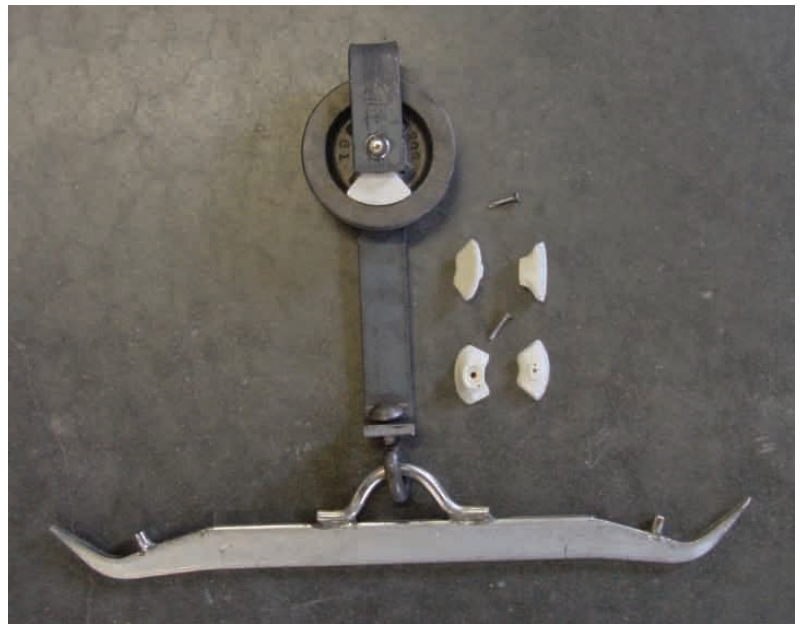
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Trolley Vision[®] RF_{tag} Trolley Tracking

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RF Benefits:

- No modification to existing trolleys
- Traceability inside your plant
- Extremely simple antenna installation
- Insert and transponder installation in trolley wheel can be accomplished by plant personnel
- The placement of the insert gives you the best possible protection of RF inserts in the market today
- Properly turning wheels provide continual transponder orientation change, offering maximum exposure for readability
- Industrial antenna and transponder inserts withstand harsh environments
- No welding or modifications of trolleys is needed
- Easy replacement of transponders
- RF transponders are protected by an injection-molded insert
- The insert is further protected by the recessed shape of the wheel and the trolley strap
- Contoured moldings tightly fit the trolley wheel



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