

Mill Feed Carts

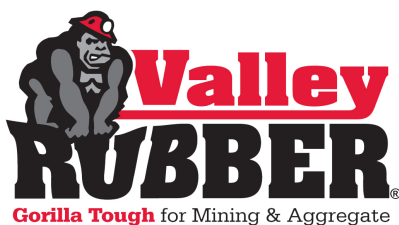
An operation may experience the following: **frequent liner maintenance, plugging** and/or **safety issues** with their current Mill Feed Carts. At Valley Rubber, we custom design and manufacture both the Mill Feed Cart and Rubber-Ceramic Wear Liners to solve your particular issues.



Rubber-Ceramic Liners extend the life of your equipment.



This easily accessible maintenance door can be closed with two fingers.



Safety is Key!

- Rapid liner changes are possible due to our bolt-in reduced weight Rubber-Ceramic Liners.
- Employees can perform safer and easier maintenance with convenient access inside the chute.
- Bolt-in components eliminate welding.

Additional Benefits:

- Designed, engineered and fabricated in the USA specific to your application.
- Standardized components.
- Increased operational availability.



On-site reconnaissance includes: 3D LiDAR scan of your operation, custom Mill Feed Cart design and DEM software to simulate the flow of material.



Before



After

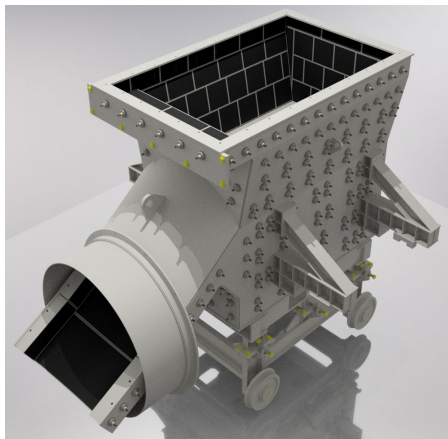
A major gold mine in North America processing primary crushed material (750tph of 24" minus with occasional 36" slabs) that is fed by a 42" belt at 370ft. per minute. Winter conditions cause the material to be frozen and/or with high moisture content.

Problems

- Liners were lasting 7 to 30 days.
- Plugging occurred 2 to 3 times daily.
- Unable to supply needed tonnage of 512 TPH.
- Replacing existing steel weld in liners.
- Unplugging the previous cart placed employees in a hazardous position.

Solutions

- Rubber-Ceramic Liners lasted 14 weeks.
- Eliminated the plugging.
- Designed for max of 650 TPH.
- Extended lifecycle/wear-life with rubber/ceramic bolt-in liner package versus weld in steel.
- Significantly improved safety.
- Velocity of material redirected by appropriate geometric design.
- Downtime significantly reduced.



Before



After

Above: The original Feed Cart Spout shown with the redesigned version.

Left: 3D renderings allow our engineers to conceptualize your solution before it's built.

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