

JADCO CASE STUDY

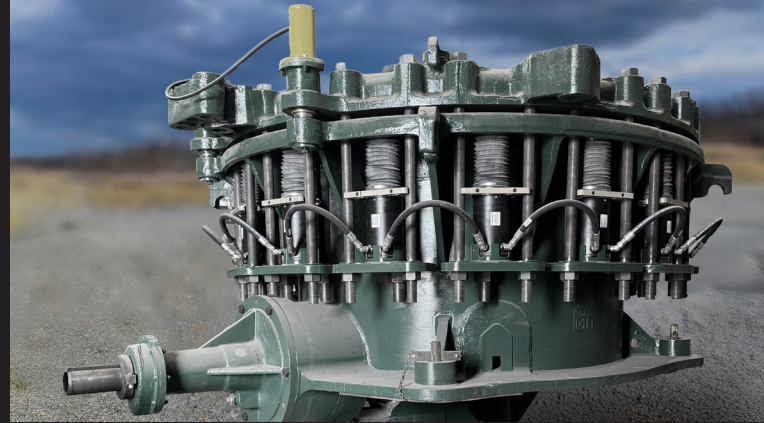


CONE CRUSHER MAIN FRAME LINERS

OVERVIEW

A surface mining operation in the Midwest was replacing worn cone crusher main frame liners every three to four months due to high-impact, high-abrasion iron ore conditions. After switching to formed CHROMEWELD 600™ liners, wear life increased to approximately one year, reducing maintenance downtime, improving safety, and supporting higher production across the facility.

WHO: IRON ORE SURFACE MINING
WHAT: CONE CRUSHER MAIN FRAME LINERS
WHERE: MIDWEST, USA



INDUSTRY: MINING
CHALLENGE: HIGH ABRASION & HIGH IMPACT
SOLUTION: CHROMEWELD 600 FORMED PLATE

CHALLENGE:

The cone crusher's main frame liners were subjected to high-impact, high-abrasion conditions as large volumes of iron ore moved through the operation. Existing formed wear liners lasted only three to four months, forcing frequent changeouts that interrupted production, increased maintenance costs, and exposed employees to a dangerous task involving stored energy. The operation needed a longer-lasting liner solution that could support higher tonnage reliably.

SOLUTION: **CHROMEWELD™** 600 Premium Grade Chromium Carbide Overlay Plate to Resist Heavy Abrasion

JADCO supplied custom-formed CHROMEWELD 600 main frame liners, matching the thickness and fit of the existing components. Designed for severe impact and abrasion, the liners provided a direct replacement while delivering substantially longer wear life. The upgrade reduced changeout frequency, supported higher tonnage, and improved overall crusher reliability.

RESULTS

JADCO SOLUTION...

- ABOUT 4X LONGER WEAR LIFE
- SIGNIFICANT CHANGEOUT REDUCTION
- - FROM QUARTERLY TO ANNUAL
- PROJECTED OPERATING SAVINGS OVER \$200K
- GREATLY INCREASED TONNAGE THROUGHPUT
BASED ON INCREASED CRUSHER AVAILABILITY

3D SCANNING FOR A PERFECT FIT



4X LONGER WEAR LIFE



CUSTOM FABRICATION

GET A QUOTE

+1 724.452.5252
sales@jadcomfg.com
www.jadcomfg.com

CONTACT US

JADCO Manufacturing Inc.
167 Evergreen Road
Harmony, Pennsylvania 16037

MADE IN USA

