

JADCO CASE STUDY

MAIN MINERAL PROCESSING FEED SCREW

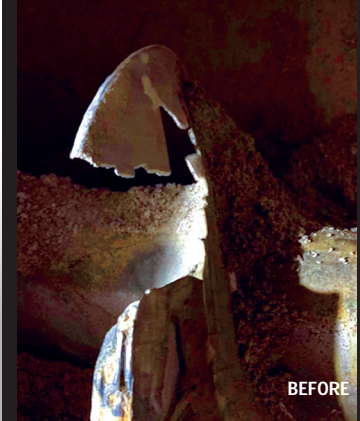
OVERVIEW

The company used AR400 for their main mineral processing feed screw, which required regular maintenance during a maximum lifespan of 700,000 tons.

Enhanced with CHROMEWELD 600, customer projects 5 Million tons before replacement, with 0 maintenance hours required.



AFTER



BEFORE

WHO: MIDWEST AGGREGATE & MINERAL PRODUCER
WHAT: MAIN MINERAL PROCESSING FEED SCREW
WHERE: MIDWEST (OHIO)

INDUSTRY: MINING
CHALLENGE: HIGH ABRASION
SOLUTION: CHROMEWELD® 600



CHALLENGE:

- High Abrasive Wear On Main Mineral Processing Feed Screw
- Lifespan of only 700,000 tons with down time and labor costs for multiple maintenance interventions, using AR400

SOLUTION:

- Reduce Abrasion on Screw
- Install CHROMEWELD 600 flights and ceramic epoxy

EXPLANATION:

The customers Main Mineral Processing Feed Screw would last 700,000 tons after ~1 year of production. To get to 700,000 tons of production, the customer would have to periodically stop production and build up the flights with hardfacing, causing lost production and increased maintenance cost. Screw was upgraded using CHROMEWELD 600 flights and ceramic epoxy. Screw has now been in service for 3 years and exhibits no signs of wear. Customer projects 5 Million tons of production before replacement.

RESULTS

WEAR RATE MONITORING:

- AFTER 3 YEARS, CUSTOMER SEES NO WEAR
- PROJECTS 5 MILLION TONS PRODUCTION

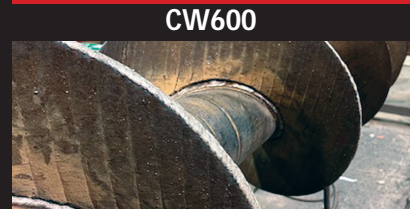
CHROMEWELD 600 PROVIDES...

- 8 TO 10 TIMES LONGER WEAR LIFE
- INCREASED PRODUCTION
- REDUCED DOWNTIME
- ENHANCED PROFITABILITY

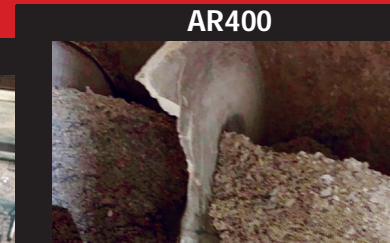


MINERAL
PROCESSING
FEED SCREW

**8X-10X
LONGER
WEAR LIFE**



CW600



AR400

GET A QUOTE

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MADE IN USA

