

# Case Study - Actirox

## Details

**Industry:** Engineered Metal Products

**VSM Product:** VSM Actirox (AK890Y)

**Workpiece Material:** Super Alloys

**Machine Type:** Plunge Grinder

**Belt Size & Grit:** 9" x 126", 36G

## Challenge

The customer's current belts were breaking at the seam, causing production downtime. In order to minimize the downtime, the customer needed a solution to the breaking belts.

## Solution

The customer had multiple 2" and 4" diameter bars 20 feet in length of super alloy, waspalloy, and high nickel products. They tested and analyzed results for both the competitive product and VSM's Actirox AK890Y belts. VSM outperformed the competitor by running much cooler during operation and lasting longer by 17% and 11% respectively. Operators were pleased with the VSM Actirox belts thanks to their overall performance and no discoloration from grinding.

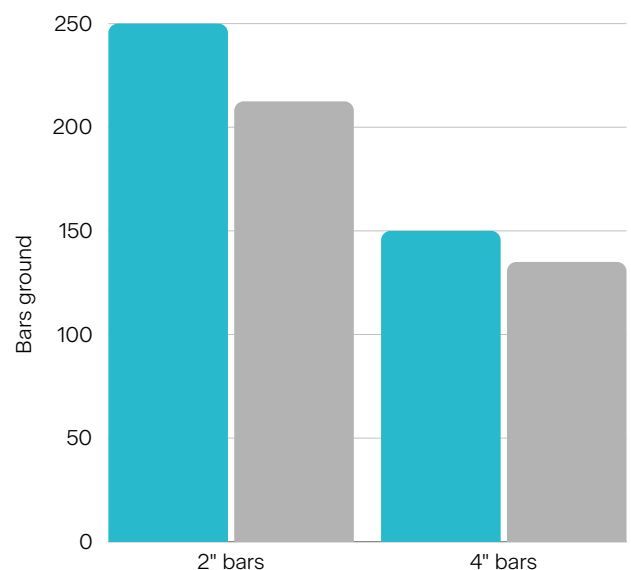
## Result

- **17% longer belt life on smaller diameter bar**
  - VSM: 250 bars ground
  - Competitor: 212 bars ground
- **11% longer belt life on larger diameter bar**
  - VSM: 150 bars ground
  - Competitor: 135 bars ground
- **Better product attributes**
  - A stronger, more durable splice.
  - Faster stock removal with less grinding force.

AK890Y



Maximum stock removal & faster cut thanks to Actirox's geometrically shaped grain



## VSM Actirox vs. Competitor

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