

# Case Study - Compactgrain

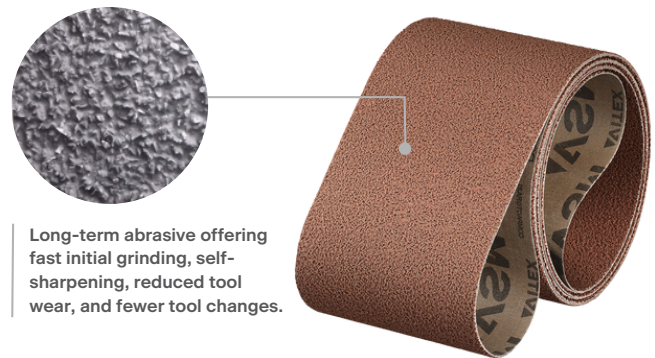
## Details

- Industry:** Chrome Tubing
- VSM Product:** VSM Compactgrain (KK712X)
- Workpiece Material:** Carbon Steel
- Machine Type:** Centerless Polisher
- Belt Size & Grit Sequence:** 6 x 90" 120/240/320/400G



## Challenge

The customer purchased a 4-head centerless grinder to polish tubing for a new project. The results showed that the product could not achieve the required surface roughness (Ra of 15-20 micro-inches) with the supplied abrasive belts. Additionally, deep scratches appeared after chrome plating.



## Solution

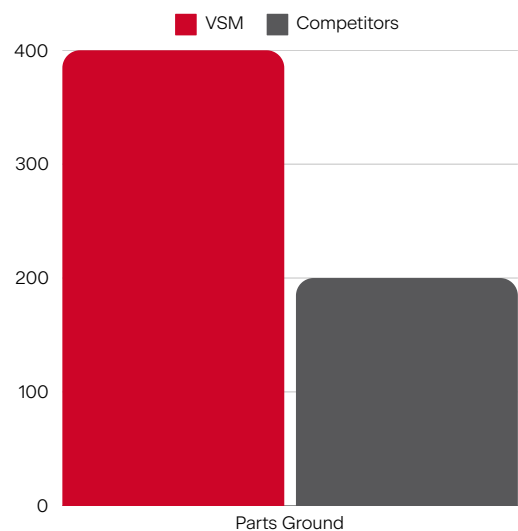
VSM Sales Engineering was invited to meet with the customer to discuss their needs. After understanding the desired outcome, VSM helped educate the customer about polishing to meet surface roughness requirements for chrome plating as well how to efficiently remove defects from the incoming tubing. A VSM lineup of KK712X Compactgrain was brought in to test.

## Result

- Superior surface roughness
- Surface results:
  - Clean and uniform
  - No deep visual scratches
- 2x longer life:
  - Competitor - 200 parts ground
  - VSM - 400 parts ground

## VSM - 2x Longer Lifespan

VSM belts last twice as long as competitors



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