

Case Study - Ceramic & Silicon Carbide

Details

Industry: Industrial Machinery

VSM Product: VSM Ceramics Plus (XK885Y) & Silicon Carbide (CK721X)

Workpiece Material: Stainless Steel

Competitor Product: Norton Blaze (R890P) & Merit A0

Belt Size: 37" x 75"

Challenge

The customer was having supply chain issues with both of their belts prompting them to look into a better fit solution.

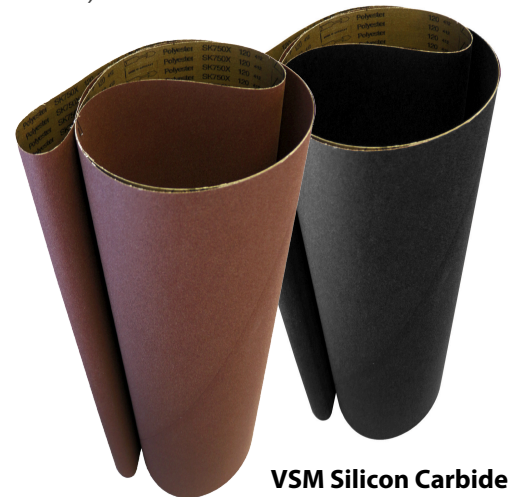
Solution

VSM provided products for testing from their stable inventory of jumbo product. Both products reduced the roughness average of the finished part while providing substantial cost savings. The VSM Ceramics Plus and Silicon Carbide belts improved the customer's finish by 25% taking their roughness average from 40 microns (μm) down to 32 microns μm .

Result

- **Cost savings:**
 - VSM Ceramics Plus belt: 43% cost savings
 - VSM Silicon Carbide: 56% cost savings
- **Improved finish:** Roughness Average (Ra) of ground pieces lowered from 40 μm to 32 μm for a 25% smoother finish.
- **Steady supply chain:** VSM delivered finished product from their stable inventory in 5 business days.

XK885Y & CK721X



VSM Silicon Carbide

VSM Ceramics Plus



43% cost savings
with VSM Ceramics Plus

56% cost savings
with VSM Silicon Carbide

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