

Case Study - Actirox

Details

Industry: Aerospace

VSM Product: VSM Actirox (AK890Y)

Workpiece Material: Super Alloys

Competitor Product: Norton Blaze (R980)

Belt Size: 4" x 132" & 6" x 132"

AK890Y



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

Challenge

The client was seeking an upgrade as their previous product, Norton Blaze, was causing substantial time loss. They wanted the best product to match their high level of production and to solve their time inefficiency. With productivity being a main focus for this client, it was essential to solve this bottleneck.

Solution

After monitoring and reporting the results of Norton Blaze, we tested the Actirox belt with the client's day and night shifts. In both circumstances, VSM Actirox ran cooler, cut faster and did not burn the surface of the parts as compared to the Norton Blaze. The Actirox belt allowed operators to spend less time on the backstand machine and use less pressure, leading to positive operator feedback. Thanks to Actirox's geometrically shaped ceramic grain, the belt was able to cut faster solving any time loss challenges.

Result

- Faster cutting:** cut processing time by 1/3rd.
 - VSM: 1 part in 8 hours
 - Norton: 1 part in 24 hours
- Longer belt life:** 200% increase in parts per belt.
 - VSM: 3 parts per belt
 - Norton: 1 part per belt
- Operator satisfaction:** less pressure, easier to work with, faster.
- Cooler grinding:** no discoloration or scrapped parts.
- Cost savings:** 25%

