

The Challenge: A major manufacturer of components for the aerospace, defense, and industrial gas turbine markets was looking to test new grinding belts to improve their overall throughput and identify the belt with the longest life.

APPLICATION: **REMOVAL OF GATES FROM STAINLESS STEEL CASTING**

BASELINE PRODUCT:
CERAMIC
36+ GRIT BELT



TEST PRODUCT:
COMPETITIVE SHAPED
GRAIN 36+ GRIT BELT

2" X 118"

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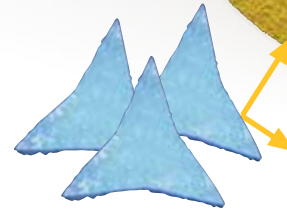


NORTON PRODUCT:
RAZORSTAR R990S 36+ GRIT BELT

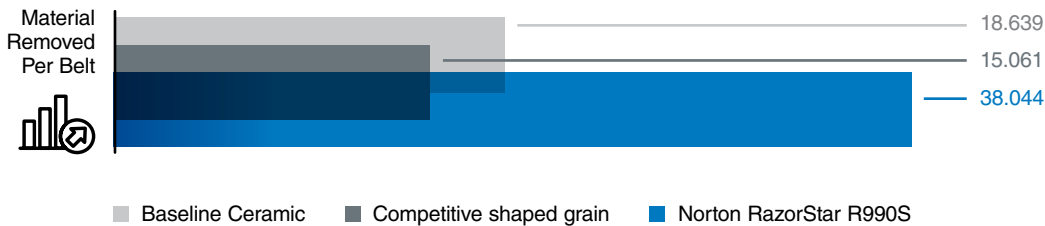
2" X 118"

MARKET: Aerospace and Defense
MATERIAL: Stainless Steel 15-5PH
MACHINE: Backstand Grinder
RESULTS:

The customer tested three belts to determine the best performing product. In addition to the Norton RazorStar R990S belt, they tested their incumbent ceramic product as well as an additional competitive shaped grain belt. The Norton RazorStar belt showed improved material removal, more parts per belt and longer life than either of the other belts tested. In addition, Norton RazorStar required less pressure and minimized thermal damage compared to the competitive belts.



Engineered shaped grain used in RazorStar belts cuts faster and removes more material. The unique geometry allows the grain to stay sharp allowing for unparalleled belt-life.



FORM #9010

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