

SHARPER THAN EVER

— **NORTON RAZORSTAR BELTS FEATURING**
Engineered Shaped
Ceramic Grain

Are setting the new standard in grinding productivity, efficiency and quality. Norton RazorStar belts are designed from top to bottom to be the most advanced abrasive product available, utilizing proprietary shaped grain, a breakthrough technology from one of the world's foremost grinding innovators.

Designed for medium to high pressure metal removal in the toughest robotic and off-hand applications, Norton RazorStar belts feature 100% engineered shaped ceramic grain which cuts through metal with unbeatable performance.

KEY MARKETS

FOUNDRY | AEROSPACE |
AUTOMOTIVE |
METAL FAB | OIL & GAS |
GENERAL ENGINEERING

www.nortonabrasives.com



NORTON

SAINT-GOBAIN

RAZORSTAR™



FASTER, LONGER, COOLER GRINDING



HIGHER CUT RATE

The breakthrough innovation of razor-sharp ceramic grain, cuts faster and removes more material. This is combined with a high percentage of grains applied to the backing in an upright position for razor-sharp cutting.



LONGER LIFE

Unique patented geometry enables the grain to stay sharp as new edges are exposed when the grain fractures. And with the innovative design of RazorStar belts promoting improved grain retention, belt-life is now unparalleled.



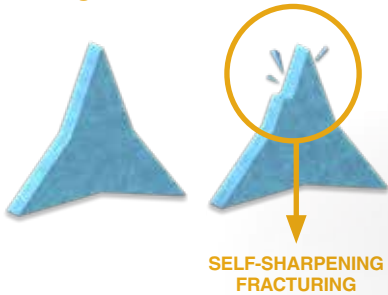
COOLER CUT

The unique belt design including the engineered shaped grain, combined with supersize grinding aid, helps to significantly reduce heat generation - resulting in less thermal damage to the workpiece.

ENGINEERED SHAPED CERAMIC GRAIN

The engineered shaped grain in Norton RazorStar belts features a consistent shape from grain to grain along with razor-sharp cutting points. The unique patented geometry and tough micro-structure enable the grain to stay sharp, as new cutting points are exposed when the grain fractures. RazorStar belts also features a very high concentration of grains oriented in an upright position, so they are ready to cut and perform at their sharpest.

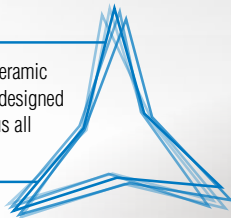
RazorStar Grain Remains Sharp Throughout the Belt's Life



Competitor Grain Fractures to a Blunt Edge



Norton RazorStar belts with engineered shaped ceramic grain are a breakthrough technology specifically designed to deliver unbeatable grinding performance versus all other ceramic belts on the market today.



NORTON RAZORSTAR R990S BELTS ARE MADE-TO-ORDER FOR YOUR UNIQUE APPLICATION.

Grain: Engineered Shaped Ceramic Grain

Belt shapes: File, Narrow, Portable, Wide

Backing: Y-weight polyester

Grit size: 36+

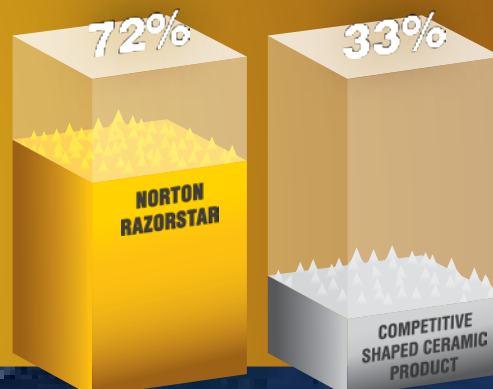
Other: Supersize grinding aid



GET STRAIGHT TO THE POINT

SUPERIOR GRAIN ORIENTATION

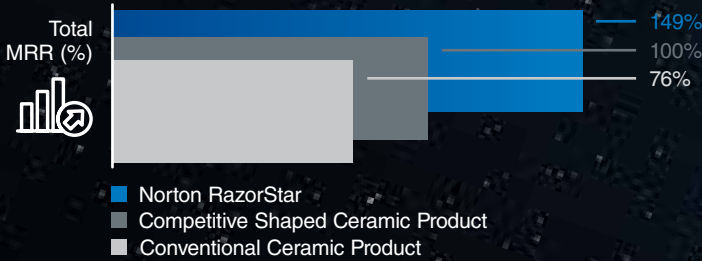
With any abrasive grain it is important to have the sharpest points ready to perform at their best. Norton RazorStar belts feature a very high concentration of grains oriented in the upright position so they are ready to cut and perform at their sharpest.



% OF UPRIGHT GRAINS
AVG. MEASUREMENT ACROSS MULTIPLE SAMPLES

UNBEATABLE GRINDING PERFORMANCE

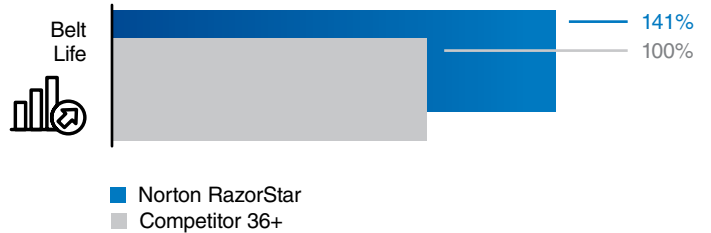
149% Inconel Rise-Fall Grinding



CASE STUDY

APPLICATION: Impact gate grinding, plunge with clean-up pass
MATERIAL: Stainless Steel and Carbon
MACHINE: Truex Inc. Impact Grinder (6" x 132" belt)
 Timesaver Impact Grinder (8" x 132" belt)
NORTON PRODUCT: Norton RazorStar Belt, 36+ Grit
RESULTS (AVG): Norton 36+ was +41% life vs. competitive product (average of 3 test dates)

41% Longer Belt Life



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