

NEW GENERATION ABRASIVE TECHNOLOGY

R946 CERAMIC SUPER FLEXIBLE BELTS



R946 BELTS FOR FAST & AGGRESSIVE
CUTTING ACTION & EXCELLENT
TEAR RESISTANCE

NORTON

SAINT-GOBAIN®

TM

NEW R946 SUPER FLEXIBLE BELTS

R946 belts are manufactured with high performance ceramic grain on a super flexible poly-cotton backing for fast and aggressive cutting action and excellent tear resistance. The product also has an additional super size layer to reduce heat generation on metal applications. Use R946 for grinding hard parts with complex shapes and contours.



FEATURES

- Optimised ratio of Hiral-SG ceramic grain
- Hiral technology with unique nano-microstructure & seeded gel technology for consistent grain sharpness
- Supersize layer
- High performance poly-cotton backing

BENEFITS

- Efficient cut
- Excellent surface finish
- Fast and aggressive cut
- High stock removal
- Reduced process time
- Absorbs heat for a cooler cut and reduced work-piece burn
- Excellent tear resistance and flexibility, conforms to contours

MARKETS & APPLICATIONS

- Manufacturing faucets (semi-finishing and finishing)
- Aerospace turbines (semi-finishing and finishing)
- Manufacturing cutlery (semi-finishing and finishing)
- Metal watch manufacturing (precision finishing)

CASE STUDIES

1: AEROSPACE

Product: R946 P100
Competition: Competitor 1
Application: Inconel turbine blades
Machine: Back stand / off hand

2: MEDICAL INDUSTRY

Product: R946 P80 and P150
Competition: Competitor 2
Application: Small tweezers / other medical tools
Machine: Back stand / off hand

RESULTS

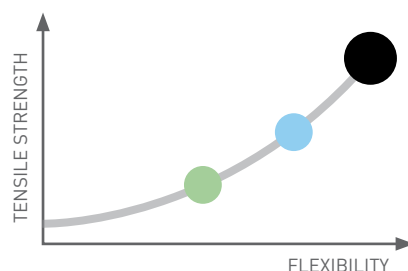
R946 provided faster grinding action and longer life compared to the competitor belt. The flexibility and strength of R946 was important in both applications to avoid tearing and provide aggression throughout.

R946 QUALITY POSITIONING

KEY

- New R946
- Competitors
- Current Norton range

R946 is wear resistant, it provides a good surface finish and excellent shape conformability compared to competitors using flexible and superflexible J and JJ weight cloth.



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