

NORTON

SAINT-GOBAIN

CASE STUDY

NORTON RAPID PREP RF NARROW BELTS

PROVIDING A MORE CONSISTENT
FINISH & LONGER LIFE



CUSTOMER:	Aviation company
APPLICATION:	Finishing turbine fans
MATERIAL:	Titanium
MACHINE:	IBS

PRODUCTS TESTED:	Norton Rapid Prep regular flex (RF) fine grade belt 30x3500 Competitor non-woven surface conditioning belt
OBJECTIVE:	Improve performance & quality of surface finish consistently, without damaging surface shape or integrity.



PRODUCT QUALITY & FINISH COMPARISON: FINISHING FAN BLADES

THE RESULTS:

- The Norton Rapid Prep RF (regular flex) belt produced a much better surface finish than the competitor belt which caused orange peel on the surface, a highly undesirable, reject worthy finish on titanium aerospace parts.
- Despite a similar performance, usage life of Rapid Prep was optimised due to the high quality of the belt.

Key Takeaways:

- Excellent product life
- Rapid Prep belts maintain a uniform finish throughout the entire product life and do not degrade over time.
- The 3D non-woven structure minimizes the risk of damaging the workpiece.
- Ideal for precision applications, especially in robotic applications where repeatability is crucial.