NORTON
SAINT-GOBAIN

CASE STUDY

NORTON RAPID BLEND SPEEDLOK DISCS

REDUCING PROCESS TIME & IMPROVING SURFACE FINISH

Customer: Aerospace Engine Part Producer

APPLICATION:	Deburring & finishing. Each part has been processed previously on automatic machines, which leaves process lines, burrs & other imperfections. These must be removed & blended out without damaging the parts themselves.
MATERIAL:	Inconel

PRODUCTS TESTED:	Norton Rapid Blend SpeedLok Discs Norton Vortex 5AM & Norton NEX 2SF Vs. Competitor Unitised wheels
OBJECTIVE:	**Improve process time & quality of surface finish, without damaging surface shape or integrity.**

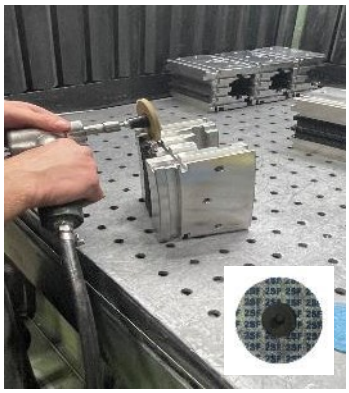
PRODUCTS USED: CURRENT PROCESS

1. Competitor Unitised wheel for deburring
2. Competitor Unitised wheel for finishing

NEW NORTON PROCESS:

1. Norton Vortex 5AM (75mm)
2. Norton NEX 2SF (75mm)

Step 1: Deburring with Norton Vortex 5AM



Step 2: Finishing with NEX 2SF

Key Takeaways:

- Inconel is hard to grind but Vortex 5AM enabled the operator to deburr parts faster & more efficiently than with the competitor wheel.
- The Norton NEX 2SF finish level was far superior to the competitor.
- NEX 2SF is also more flexible, so comfortable to use and carries no risk of damaging the parts.