

NORTON

SAINT-GOBAIN

CASE STUDY

RAZORSTAR® FIBRE DISCS & VORTEX RAPID PREP DISCS

SAVE TIME & GENERATE A HIGH-QUALITY FINISH



APPLICATION: Finishing high grade wood burners

MATERIAL: Carbon steel

CONDITIONS: All items are finished in the same way before final painting. A reasonable paintable finish must be achieved with no sign of scratches.

PRODUCTS: Norton RazorStar® Fibre discs & Vortex Rapid Prep SCM XCRS disc

OBJECTIVE: **Simplify process:**
CURRENT: 4 step process using x4 competitor discs
NEW: 2 step process using 2x Norton discs

CURRENT FINISHING PROCESS

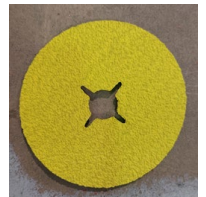
STEPS		PRODUCTS	TIME
STEP 1	Weld removal	Fibre disc 36+	23s
STEP 2	Blend scratches	Fibre disc 80	6s
STEP 3	Refine the finish	Extra coarse surface conditioning disc	8s
STEP 4	Final finishing before painting	Norton Vortex Rapid Prep disc (medium)	10s
Total machine time			47s
Total disc change time			30s x4
Total process time			2min 47s

4 steps = 4 products = 2m 47s

NORTON PROCESS

STEPS		PRODUCTS	TIME
STEP 1	Weld removal	Norton RazorStar® F990S 36+	16s
STEP 2	Final finishing before painting	Norton Vortex Rapid Prep (extra coarse)	13s
Total machine time			29s
Total disc change time			30s x2
Total process time			1min 29s

2 steps = 2 products = 1m 29s



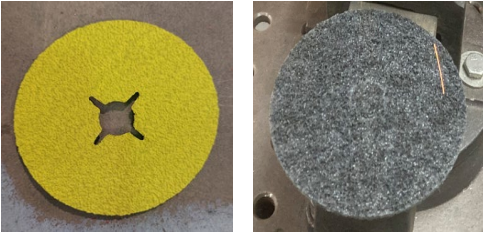
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RESULTS:

With Norton, the process was finished almost twice as fast, with fewer tool changes, less consumables and an easier, more consistent process with a great finish. Huge time and abrasive cost savings made.



Key Takeaways:

- Faster MRR & blending → faster process time
- Reduced process steps → fewer consumables needed
- Better finish from RazorStar® → switch to blending quicker (NW's)
- Better cut & finish from Vortex Rapid Prep XCRS → achieve RA faster
- Less chance of damage → fewer coated abrasive steps reduces the risk
- More consistent finish → Fast, easy, repeatable results
- Less tooling required → reduces cost, complexity & downtime