

NORTON

SAINT-GOBAIN

CASE STUDY

Blaze F980 Fiber Discs, Vortex Rapid Prep Discs
and Gold Reserve A296 PSA Discs

APPLICATION: **WELD GRINDING** | MARKET: **WELDING**

THE CUSTOMER'S CHALLENGE

Test was performed in a fabrication shop building steel truck cab assemblies. Their current process consisted of three abrasive steps. The customer needed to reduce time in the steps and material costs.

INCUMBENT INFORMATION/PERFORMANCE

- Incumbent Disc 1: 4-1/2" Zirconia Flap Discs, 80 and 120 Grit
- Incumbent Disc 2: 4-1/2" Aluminum Oxide Non-Woven Discs, Medium Grit
- Incumbent Disc 3: 6" PSA Discs, 180 Grit

vs.

NORTON PRODUCT INFORMATION/PERFORMANCE

- Norton Blaze: 4-1/2" Blaze F980 Fiber Discs, 80 and 120 Grit
- Norton Bear-Tex: 4-1/2" Vortex Rapid Prep Discs, Medium Grit
- Norton: 6" Gold Reserve A296 PSA Discs, 180 Grit

- MACHINE: Makita 4-1/2" Right Angle Grinder
- PART MATERIAL: Mild Steel, Structural Truck Parts
- COMPONENT: Steel Truck Cab Assembly



Current Process Objective

The core objectives in the process was to remove weld seams, spatter and burn-through of the weld tacking without damaging the surface material by using the fiber discs. Then blending the welds with the non-woven disc, with a final step of using the PSA discs to perform a final surface finish before coating.

Management Assessment

Every second counts. The competitive products took 156 seconds per side, using a material cost of \$8.22. The Norton test against this same process resulted in 77 seconds per side and a material cost of \$5.79. Therefore reducing the customer costs annually of \$5,488, without labor factored in.



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