

NORTON

SAINT-GOBAIN®



AEROSPACE COMMERCIAL FINISHING ABRASIVE PRODUCT GUIDE

World demand for commercial aircraft is at record levels. Norton application engineers recognize that manufacturing time and accuracy are your most important resources.

Industry trends call for more complex, high-cost parts. Processing these costly parts and materials with Norton abrasive products will improve the quality of your finished parts, minimize abrasive costs, and reduce production time.

www.nortonindustrial.com

NORTON

SAINT-GOBAIN®

High-performance abrasive designs have been developed for material-specific aerospace applications:

- Offhand blending machine mismatches
- Radius/side wall blending
- Working contoured radius parts
- Reaching intricate areas
- Edge breaking
- Deburring
- Sanding fuselage and airframe components
- Intermediate finishing
- Final finishing

Application/Material-to-Product Starting Recommendation Guide Overview

Bolded product represents first choice. See following pages for specific product recommendations for these materials and composite applications.

APPLICATION	TOOL	RECOMMENDED PRODUCT	RECOMMENDED PRODUCT*
		Material: Titanium, Stainless Steel, and Nickel Alloys	Material: Aluminum and Aluminum Alloys
Major Mismatch	Right angle die grinder	Norton Blaze R980P discs	Norton Neon R766 discs
	–	–	Norton Blaze R980P discs
	–	–	Norton BlueFire R884P discs
Mismatch	Right angle sander	Norton Vortex Rapid Prep discs	Norton Vortex Rapid Prep discs
	Right angle die grinder	–	Norton Rapid Prep RF discs
Edge Break	Right angle die grinder	Norton Vortex Rapid Prep discs	Norton Rapid Prep RF discs Norton Vortex Rapid Prep discs
Deburr	Right angle die grinder	Norton Vortex Rapid Prep discs	Norton Rapid Prep RF discs
	Right angle sander	–	Norton Vortex Rapid Prep discs
	Dynaflex II belt sander	Norton Rapid Prep XF file belts	Norton Rapid Prep XF file belts
Intermediate Finish	Right angle die grinder	Norton Vortex Rapid Prep discs	Norton Rapid Prep RF discs Norton Vortex Rapid Prep discs
Final Finish (If required)	Right angle die grinder	Norton Vortex Rapid Prep discs	Norton Vortex Rapid Prep discs
	Right angle sander	–	Norton Rapid Prep RF discs
Radius/Side Wall Blend	Straight-line die grinder	Merit Blaze cartridge rolls (straight or tapered)	Merit Aluminum Oxide Plus cartridge rolls (straight or tapered)
	Dynaflex II belt sander	Norton Neon R766 file belts	Norton Neon R766 file belts

*Discs include quick-change and hook & loop



Our patented Clean Bond Technology eliminates smearing.

MATERIALS: Titanium, Stainless Steel, and Inconel | **APPLICATIONS:** Wing and Airframe Finishing

Norton Blaze R980P Ceramic Alumina

Advanced ceramic alumina grain, grinding aid, and strong Y-wt. polyester back provide longer life and consistent, cooler cut-rate than competitive discs.

Quick-Change Cloth Discs



TIER:	BEST			
BRAND:	Norton			
TRADENAME:	Blaze R980P	Blaze R980P	Blaze R980P	Blaze R980P
ABRASIVE:	Ceramic Alumina			
BACKING:	3-Ply Heavy Duty	1-Ply Conformable	3-Ply Heavy Duty	1-Ply Conformable
OTHER:	Supersized			
ATTACHMENT:	TS (Type II)	TS (Type II)	TR (Type III)	TR (Type III)

GRIT	STD. PKG.	PART #	PART #	PART #	PART #
1-1/2"					
36	100	66261162307	77696088201	66261162308	—
50	100	66261162309	77696088202	66261162310	—
60	100	66261162311	77696088203	66261162312	—
80	100	66261162313	77696088204	66261162314	—
120	100	66261043379	77696088206	66261043380	—
2"					
36	25	66261162317	77696088207	66261162318	77696088219
50	25	66261162319	77696088208	66261162320	77696088220
60	25	66261162321	77696088209	66261162322	77696088221
80	25	66261162323	77696088210	66261162324	77696088222
100	25	66261043382	77696088211	66261043383	77696088223
120	25	66261043384	77696088212	66261043386	77696088224
3"					
36	25	66261162327	77696088213	66261162328	77696088225
50	25	66261162329	77696088214	66261162330	77696088226
60	25	66261162331	77696088215	66261162332	77696088227
80	25	66261162333	77696088216	66261162334	77696088228
100	25	66261043389	77696088217	66261043390	77696088229
120	25	66261043391	77696088218	66261043392	77696088230

**Cloth PSA Discs
(Pressure Sensitive Adhesive)**



TIER:	BEST
BRAND:	Norton
TRADENAME:	Blaze R980P
ABRASIVE:	Ceramic Alumina
ATTACHMENT:	PSA Discs

GRIT	MIN./STD. PKG.	PART #
5"		
36	50/250	66254461506
40	50/250	66254461507
50	50/250	66254461508
60	50/250	66254461509
80	50/250	66254461510
120	50/250	66254461512

Merit Blaze Ceramic Alumina

Advanced ceramic alumina grain, grinding aid, and X-wt. durable cotton back deliver 50% to 300% longer life and faster, cooler cut-rate than competitive rolls.

Cartridge Rolls



TIER:	BEST
BRAND:	Merit
TRADENAME:	Blaze
ABRASIVE:	Ceramic Alumina
BACKING:	Cotton
OTHER:	Supersized

GRIT	STD. PKG.	PART #
1/4" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	66261194384
80	100	66261194394
120	100	66261194397
3/8" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	66261194392
80	100	66261194395
120	100	66261194398
1/2" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	66261194393
80	100	66261194396
120	100	66261194399

Full Taper Spiral Rolls



TIER:	BEST
BRAND:	Merit
TRADENAME:	Blaze
ABRASIVE:	Ceramic Alumina
BACKING:	Cotton
OTHER:	Supersized

GRIT	STD. PKG.	PART #
3/8" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	66261194481
80	100	66261194490
120	100	66261194491
1/2" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	66261194484
80	100	66261194492
120	100	66261194495

MATERIALS: Aluminum and Aluminum Alloys | **APPLICATIONS:** Wing and Airframe Finishing

Norton Neon R766 Aluminum Oxide Blend

Premium abrasive blend and Y-wt. 2-ply backing provide aggressive cut and long life on moderately-demanding applications.

**Quick-Change
Cloth Discs**



TIER:	GOOD	GOOD
BRAND:	Norton	Norton
TRADENAME:	Neon R766	Neon R766
ABRASIVE:	Aluminum Oxide	Aluminum Oxide
BACKING:	Polyester Standard	Polyester Standard
ATTACHMENT:	TS (Type II)	TR (Type III)



GRIT	STD. PKG.	PART #	PART #
3/4"			
50	100	69957399604	69957399672
60	100	69957399605	69957399673
80	100	69957399606	69957399674
100	100	69957399607	69957399675
120	100	69957399608	69957399676
1"			
50	100	66623318959	-
60	100	66623318960	-
80	100	66623318961	-
100	100	69957399619	69957399687
120	100	69957399620	69957399688
1-1/2"			
50	100	66623318974	66623318979
60	100	66623318975	66623318980
80	100	66623318976	66623318981
100	100	69957399631	69957399699
120	100	69957399632	69957399700
2"			
50	100	66623319001	66623319007
60	100	66623319003	66623319008
80	100	66623319004	66623319009
100	100	69957399643	69957399711
120	100	69957399644	69957399712
3"			
50	50	66623319023	66623319029
60	50	66623319024	66623319030
80	50	66623319025	66623319031
100	50	69957399655	69957399723
120	50	69957399656	69957399724
4"			
50	50	69957399663	69957399731
60	50	69957399664	69957399732
80	50	69957399665	69957399733
100	50	69957399666	69957399734
120	50	69957399667	69957399735

All 100 and 120 grit discs and all 3/4 and 4 inch discs are supplied in Merit Aluminum Oxide discs. Available in additional sizes and grits.

Merit Aluminum Oxide Plus

Premium aluminum oxide grain, full resin bond, and flexible X-wt. cotton back deliver controlled aggressiveness, while cool cutting; excellent grain adhesion for long life.

Cartridge Rolls



TIER:	GOOD
BRAND:	Merit
ABRASIVE:	Premium Aluminum Oxide
BACKING:	Cotton
OTHER:	Supersized

GRIT	STD. PKG.	PART #
1/4" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	77696089001
80	100	77696089002
120	100	77696089003
3/8" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	77696089004
80	100	77696089005
120	100	77696089006
1/2" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	77696089007
80	100	77696089008
120	100	77696089009

Full Taper Spiral Rolls



TIER:	GOOD
BRAND:	Merit
ABRASIVE:	Premium Aluminum Oxide
BACKING:	Cotton

GRIT	STD. PKG.	PART #
3/8" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	77696089010
80	100	77696089011
120	100	77696089012
1/2" x 1-1/2" x 1/8" – Use M-9 Mandrel		
60	100	77696089013
80	100	77696089014
120	100	77696089015

MATERIALS: Composite, Aluminum, Copper Layer, Paint, Primer, UV, and Epoxy | **APPLICATIONS:** Defect Removal, Repair, and Finishing

Norton Multi-Air Cyclonic A975 and Drylce A975 Ceramic Alumina, and Adalox A275 and A290 Aluminum Oxide

Our Norton paper disc line includes a complete performance/price offering for composite and aluminum MRO, primer, and paint applications.

These No-Fil, stearated, discs have maximum load resistance (making them ideal for soft metals and composites):

NEW! Norton Multi-Air Cyclonic A975: Norton SG ceramic alumina vacuum discs excel at conditioning and removal of the most demanding coatings, while the patent-pending, laser-cut Cyclonic hole pattern delivers maximum dust extraction.

Norton Drylce A975: Norton SG ceramic alumina grain delivers fastest cut-rate and longest life of any paper discs, providing the best performance/cost ratio and lowest overall sanding costs.

Norton Adalox A275: Norton premium heat-treated aluminum oxide grain provides fast cut-rate and superior life, for above average performance/cost ratio.

Norton Adalox A290: versatile aluminum oxide grain ensures fast cut-rate and good life, for the most economical initial abrasive cost.

**Stick and Sand PSA
(Pressure Sensitive Adhesive)
Paper Disc Rolls**



TIER:	BEST	BETTER	GOOD
BRAND:	Norton	Norton	Norton
TRADENAME:	Dry Ice	Adalox	Adalox
CAP CODE:	A975 No-Fil	A275 No-Fil	A290 No-Fil
ABRASIVE:	Ceramic Alumina	Aluminum Oxide Heat-Treated	Aluminum Oxide
PAPER BACKING WEIGHT:	B- & C-Weight Fiber-Reinforced	B-Weight Fiber-Reinforced	C-Weight
OTHER:	P-Graded	P-Graded	P-Graded

GRIT	ROLLS/STD. PKG.	DISCS/ROLL	PART #	PART #	PART #
5"					
P80	4	100	66261140502	66261131464*	66261149830
P100	4	100	66261140501	66261131463*	66261149829
P120	4	100	66261140500	66261131462*	66261149828
P150	4	100	66261140499	66261131461*	66261149827
P180	4	100	66261140498	66261131460*	66261149826
P220	4	100	66261142474	66261131459*	66261149825
6"					
P80	4	100	66261140512	66261131481*	66261149842
P100	4	100	66261140511	66261131480*	66261149841
P120	4	100	66261140510	66261131479*	66261149840
P150	4	100	66261140509	66261131478*	66261149839
P180	4	100	66261140508	66261131477*	66261149838
P220	4	100	66261148340	66261131476*	66261149837

* A275 Packaging Standards = 6/100

**Hook and Loop
Individual Paper Discs**



TIER:	BEST	BEST	BETTER	GOOD
BRAND:	Norton	Norton	Norton	Norton
TRADENAME:	Multi-Air Cyclonic	Dry Ice	Adalox	Adalox
CAP CODE:	A975 No-Fil	A975 No-Fil	A275 No-Fil	A290 No-Fil
ABRASIVE:	Ceramic Alumina	Ceramic Alumina	Aluminum Oxide Heat-Treated	Aluminum Oxide
PAPER BACKING WEIGHT:	B- & C-Weight Fiber-Reinforced	B- & C-Weight Fiber-Reinforced	B-Weight Fiber-Reinforced	C-Weight
OTHER:	P-Graded	P-Graded	P-Graded	P-Graded

GRIT	MIN. PKG.	STD. PKG.	PART #	PART #	PART #	PART #
5"						
P80	100	400	77696007745+	66261140522+	66261131549	66261149907
P100	100	400	-	66261140521+	66261131548	66261149906
P120	100	400	77696007753+	66261140520+	66261131547	66261149905
P150	100	400	77696007755+	66261140519+	66261131546	66261149904
P180	100	400	77696007756+	66261140518+	66261131545	66261149903
P220	100	400	77696007757+	66261149541+	66261131544	66261149902
6"						
80	100	400	77696007770+	66261140532+	66261131566	66261149916
100	100	400	-	66261140531+	66261131565	66261149915
120	100	400	77696007773+	66261140530+	66261131564	66261149914
150	100	400	77696007774+	66261140529+	66261131563	66261149913
180	100	400	77696007775+	66261140528+	66261131562	66261149912
220	100	400	77696007776+	66261149546+	66261131561	66261149911

+ A975 Packaging Standards = 50/200

Case Study #1

APPLICATIONS:

Small components and fuselage section repairs at airline repair facility

- Composite repair and finishing
- Paint removal
- UV/resin coating removal
- Copper lightning strike layer repair

MACHINE:

6" pneumatic orbital sander

NORTON PRODUCT:

6" assorted grit Norton Multi-Air Cyclonic A975 ceramic alumina paper vacuum-hole discs

COMPETITIVE PRODUCT:

6" assorted grit, C-wt. aluminum oxide paper discs

RESULTS:

Norton discs delivered 20%+ improvement in life and cut rate, and significant improvement in dust collection

Case Study #2

APPLICATION:

Sanding crown assembly carbon fiber panels at tier one contractor

MACHINE:

6" pneumatic orbital sander

NORTON PRODUCT

6" Norton Dry Ice A975 ceramic alumina paper discs

COMPETITIVE PRODUCT:

6", C-wt. aluminum oxide paper discs

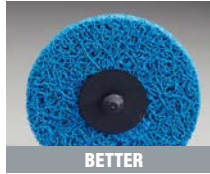
RESULTS:

Norton disc consumption equaled 2.5X life: 50 discs/panel vs. 125 discs/panel with incumbent competitive discs, resulting in a \$20,564 annual cost savings for this operation. Norton discs also sanded the panels with less time and operator effort.

MATERIALS: Aluminum and Aluminum Alloys | **APPLICATIONS:** Wing and Airframe Heavy and Intermediate Deburring and Finishing

Heavy Deburring: Norton Bear-Text Vortex Rapid Blend
Perform the medium to fine grit steps of traditional discs in one easy step – with no smearing. New top, bottom, and side abrasive distribution allows use of all the sides, extending life by 3 – 8 times vs. competitive one-layered discs.

Quick-Change Non-Woven Discs



TIER: **BETTER**
 BRAND: Norton
 TRADENAME: Vortex Rapid Blend
 ABRASIVE: Aluminum Oxide
 ATTACHMENT: TR (Type III)



ABR.	GRIT	DENSITY	MAX. RPM	STD. PKG.	PART #
1" x 1/4"					
A/O	M	1	35,100	100	66254497806
1-1/2" x 1/4"					
A/O	M	1	35,100	80	66254497807
2" x 1/8"					
A/O	M	4-6	22,000	60	66254425632
A/O	M	7-9	22,000	60	66254433509
2" x 3/16"					
A/O	M	2-3	22,000	60	66254428236
2" x 1/4"					
A/O	M	1	12,100	25	66254497067
A/O	M	2-3	22,000	60	66254428237
A/O	M	4-6	22,000	60	66254413660
A/O	M	7-9	22,000	60	66254433510
3" x 1/8"					
A/O	M	4-6	15,000	40	66261093556
A/O	M	7-9	15,000	40	66261090909
3" x 3/16"					
A/O	M	7-9	15,000	40	66254428239
3" x 1/4"					
A/O	M	1	12,100	25	66254497068
A/O	M	2-3	15,000	40	66254428238
A/O	M	4-6	15,000	40	66254413661
A/O	M	7-9	15,000	40	66254406395



Edge Break and Heavy Deburring:
Norton Bear-Text Vortex and NEX
Aluminum Oxide

These versatile aluminum oxide wheels work efficiently on aluminum, titanium, and stainless steel.

Unified Wheels ("Cobs")

TIER: **BETTER** | **GOOD**
 BRAND: Norton | Norton
 TRADENAME: Vortex | NEX

ABRASIVE	GRIT	STD. PKG.	DENSITY	PART #	DENSITY	PART #
1" x 1" x 1/4"						
A/O	Medium	50	7	66254407151*	6	77696003294*
2" x 1" x 1/4"						
A/O	Medium	50	9	66623397685*	8	77696003296*

* These 4 products are made-to-order. Please allow appropriate lead-time for receipt when ordering.

Intermediate Deburring and Finishing:
Norton Bear-Text Vortex and Aluminum Oxide Rapid Prep
Proprietary Norton Vortex aluminum oxide aggregate grain maximizes cutting speed; versatile Norton aluminum oxide grain generates uniform cut rate throughout life. New Norton Clean Bond technology ensures smear-free surfaces even on high nickel content alloys; will not load on aluminum and soft metals as competitive products can. Thicker, deeper coating method results in the consistent finish of finer grits in one easy step and longer life.

Quick Change Non-Woven Discs



TIER: **BETTER** | **BETTER** | **GOOD** | **GOOD**
 BRAND: Norton | Norton | Norton | Norton
 TRADENAME: Vortex Rapid Prep | Vortex Rapid Prep | Rapid Prep A/O | Rapid Prep A/O
 ABRASIVE: Aluminum Oxide | Aluminum Oxide | Aluminum Oxide | Aluminum Oxide
 ATTACHMENT: TR (Type III) | TS (Type II) | TR (Type III) | TS (Type II)



SIZE (DIAM.)	STD. PKG.	PART #	PART #	PART #	PART #
Extra Coarse					
3/4"	50	66623325001	66623335324	66623340002	66261022401
1"	50	66623325004	66623325003	66623340007	66623340006
1-1/2"	50	66623325007	66623325006	66623340011	66623340010
2"	50	66623335326	66623335325	66261016373	66261017819
3"	25	66623335327	66623325010	66261016994	66261017818
4"	25	66623335329	66623335328	66261016374	66623310706
Coarse					
3/4"	50	66623325013	66623335410	66623340021	66261095015
1"	50	66623325015	66623335537	66623340023	66261024310
1-1/2"	50	66623335411	66623325017	66261047579	66623340026
2"	50	66623335414	66623335413	66261009191*	66261009183
3"	25	66623335417	66623335416	66261009194	66261009186
4"	25	66623335419	66623335418	66261008822	66261055349
Medium					
3/4"	50	66623325020	66623335420	66623340032	66254428059
1"	50	66623335422	66623335421	66254482331	66254482327
1-1/2"	50	66623335424	66623335423	66254482332	66254482328
2"	50	66623335427	66623335426	66261009190*	66261009182
3"	25	66623335430	66623335429	66261017522	66261009185
4"	25	66623335432	66623335431	66261008821	66261055350
Fine					
3/4"	50	66623325026	66623325025	66623340058	66623340056
1"	50	66623325029	66623325028	66623340064	66623340062
1-1/2"	50	66623325032	66623325031	66623340070	66623340068
2"	50	66623325035	66623325034	66623340077	66623340074
3"	25	66623325038	66623325037	66623340085	66623340082
4"	25	66623325041	66623325040	66623340092	66623340090
Very Fine					
3/4"	50	66623325044	66623325043	66623340044	66623340042
1"	50	66623325047	66623325046	66254482339	66254482335
1-1/2"	50	66623325050	66623325049	66254482340	66254482336
2"	50	66623335433	66623325052	66261009189*	66254482337
3"	25	66623335437	66623335436	66261009192	66261009184
4"	25	66623325056	66623325055	66623340053	66623340052

*Packaging Standards = 25 discs per standard package.

MATERIALS: Aluminum and Aluminum Alloys | **APPLICATIONS:** Wing and Airframe Intermediate Deburring and Finishing

**Intermediate Deburring and Finishing:
Norton Bear-Tex Vortex Rapid Prep**

Proprietary Norton Vortex aluminum oxide aggregate grain maximizes cutting speed. New Norton Clean Bond technology and thicker, deeper coating method result in the consistent finish of finer grits in one easy step, and longer life – with no loading or smearing.

Improved hook and loop backing creates flatter-sitting discs that will not fly off sanders (which some competitive discs are prone to do), and more consistent finishes.

Hook and Loop Non-Woven Discs



TIER: **BETTER**
 BRAND: Norton
 TRADENAME: Vortex Rapid Prep
 ABRASIVE: Aluminum Oxide

SIZE (DIAMETER)	STD. PKG.	PART #
Coarse		
1-1/2"	50	66623325057
2"	50	66623334882
3"	25	66623334883
4"	25	66623334884
4-1/2"	25	66623334943
5"	25	66623334945
6"	25	66623334949
7"	25	66623334951
8"	25	66623334953
Medium		
1-1/2"	50	66623325059
2"	50	66623334958
3"	25	66623334956
4"	25	66623334959
4-1/2"	25	66623334961
5"	25	66623334962
6"	25	66623334964
7"	25	66623334965
8"	25	66623334966
Fine		
1-1/2"	50	66623325058
2"	50	66623333604
3"	25	66623333605
4"	25	66623333606
4-1/2"	25	66623333607
5"	25	66623333609
6"	25	66623333610
7"	25	66623334955
8"	25	66623333611
Very Fine		
1-1/2"	50	66623325060
2"	50	66623333613
3"	25	66623333614
4"	25	66623334967
4-1/2"	25	66623333615
5"	25	66623333617
6"	25	66623334968
7"	25	66623334969
8"	25	66623333619

**Intermediate Deburring and Finishing:
Norton Bear-Tex Rapid Prep**

Versatile Norton aluminum oxide grain generates uniform cut rate throughout life. New Norton Clean Bond technology ensures smear-free surfaces even on high nickel content alloys; will not load on aluminum and soft metals as competitive products can. Thicker, deeper coating method results in the consistent finish of finer grits in one easy step and longer life.

Non-Woven File Belts



TIER: **GOOD**
 BRAND: Norton
 TRADENAME: Rapid Prep A/O
 ABRASIVE: Aluminum Oxide

WIDTH	LENGTH	STD. PKG.	PART #
Coarse			
1/2"	12"	24	66261003177
1/2"	18"	24	66261055309
1/2"	24"	24	66261055312
Medium			
1/2"	12"	24	66261006465
1/2"	18"	24	66261055310
1/2"	24"	24	66261008972
Fine			
1/2"	12"	24	66623318175
1/2"	18"	24	66623333426
1/2"	24"	24	66254490859
Very Fine			
1/2"	12"	24	66254499884
1/2"	18"	24	66261055311
1/2"	24"	24	66261019876

**Intermediate Deburring and Finishing:
Norton Bear-Tex Thin Flex and General Purpose Plus 747**

Thin Flex: maximum flexibility for consistent finishes; designed for deburring, cleaning, blending, and finishing.

General Purpose Plus 747: designed for deburring, light cleaning, and finishing.

Non-Woven Hand Pads



COLOR	DESCRIPTION	MATERIAL	GRIT	STD. PKG.	TIER: BEST PART #	BETTER PART #
4-1/2" x 9"						
Maroon	Thin Flex Cleaning	A/O	VF	25	66623398062	–
Gray	Thin Flex Cleaning	S/C	UF	25	66623398063	–
6" x 9"						
Maroon	747 General Purpose Plus	A/O	VF	60	–	66261074700

NORTON

SAINT-GOBAIN

**AEROSPACE COMMERCIAL FINISHING
ABRASIVE PRODUCT GUIDE****CASE STUDIES****Case Study #1**

APPLICATION: Deburring and finishing aluminum hinge and latch beams

MACHINE: Right angle grinder

NORTON PRODUCT: 9/16" – 3" Norton Blaze R980P ceramic alumina quick-change cloth discs

COMPETITIVE PRODUCTS: Aluminum oxide sanding cloth discs and carbide burrs

RESULTS: The Norton ceramic discs decreased cycle time from 15 to 11 seconds per part and reduced the cost to remove cu in. material from \$0.33 to \$0.24. This resulted in over \$700k annual cost savings in this eight-step operation.

Case Study #2

APPLICATION: Blending mismatch and corner break on aluminum spars

MACHINE: Right angle grinder

NORTON PRODUCTS: 7" Norton Vortex Rapid Prep CRS and Fine grit, and Rapid Prep A/O Medium grit non-woven surface conditioning discs

COMPETITIVE PRODUCT: 7" Medium grit aluminum oxide non-woven surface conditioning discs

RESULTS: Norton discs resulted in \$31k annual abrasive cost savings with longer product life and will be used for numerous other applications



TO MAXIMIZE PRODUCTIVITY, CHOOSE A DYNABRADE TOOL TO MATCH THE ABRASIVE PRODUCT BEING USED

Right Angle Sander for 7" diameters (52563)



Right Angle Sander for 2"– 5" diameters (52561)



Right Angle Die Grinder 12,000 RPMs (54343)



Right Angle Die Grinder 18,000 RPMs (54359)



Straight-Line Die Grinder 20,000 RPMs (51306)



Dynaflex II – Low Profile Version (40353)



Random Orbital 5" Sander Silver Supreme 3/16" Orbit (69005)



Random Orbital 6" Sander Silver Supreme 3/16" Orbit (69010)

**TECHtip**

To optimize the performance of these abrasives and your finished components, ask your Norton representative for the coordinating back-up pads, interface pads, mandrels, etc.

BEST – Highest Productivity - Lowest Total Cost**BETTER** – Excellent Blend of Performance and Price**GOOD** – Consistent Performance - Low Initial Price

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